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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Taking the Road to War!

IS THE United States going to stick its nose into another European war?

Corn belt farmers would like to know.

The signs are bad. In 1916, we were told that Great Britain and France were fighting to preserve democracy and end dictatorship. But when the war was over, we found that these powers were grabbing land and uniting in a vicious peace treaty that produced a new crop of dictators.

Today, the news is being broadcast in the United States that we must associate ourselves with Great Britain and France to check the advance of Hitler and Mussolini.

We ought to realize that it was the peace policy of Great Britain and France that hatched out Hitler, and that the menace of the dictators is a menace to Great Britain's Egypt and to France's Morocco, but not to us.

Neither Hitler nor Mussolini is trying to grab off New York or Miami.

We may not like dictators as well as we like the parliamentary governments of France and Great Britain, but is that dislike strong enough among our citizens to put us into another war to preserve the African and Asiatic possessions of the democratic powers?

In 1916, we began to develop a larger army and navy, presumably for defense, but actually as an offensive weapon to use in Europe the next year.

Today, we have made an increase in our annual military and navy budget from the $600,000,000 that was ample in the 1923-35 period to nearly $991,000,000. And the house of representatives has passed a bill providing for the expenditure of an additional $1,113,000,000 over the next few years for more naval weapons.

In 1916, before we entered the World war, the United States lent money to warring nations, and then we found that where our cash was there our hearts turned also. Today, the Johnson act, which forbids any foreign nation that is in default on a debt to the United States, to float loans in this country, stands as a safeguard to keep us from committing a similar error. All of the major nations in Europe are in default to us. None, under the present act, can float bonds here.

But we must be constantly on the alert. Somebody will be trying to change that, too.

In 1916, we shipped munitions and goods of all kinds to warring nations and built up an artificial prosperity on war trade. Today, our neutrality act forbids shipments of munitions to countries engaged in war.

But the neutrality act is in danger. An attempt is being made to change the act so that the president can decide whether he wants to stop any sales of munitions by this country to either side or to both sides.

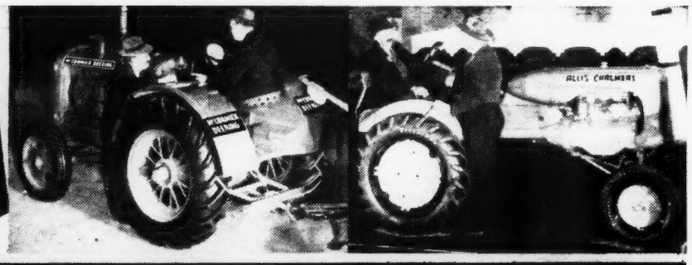
That, of course, means that the president would be given the power to declare war, for the United States to aid one group of nations by shipping munitions and to injure another by blocking shipments would be considered an act of war by the injured group.

Farmers of the corn belt should urge their senators and representatives to keep the United States from retracing the same path that led us into the war in 1917.

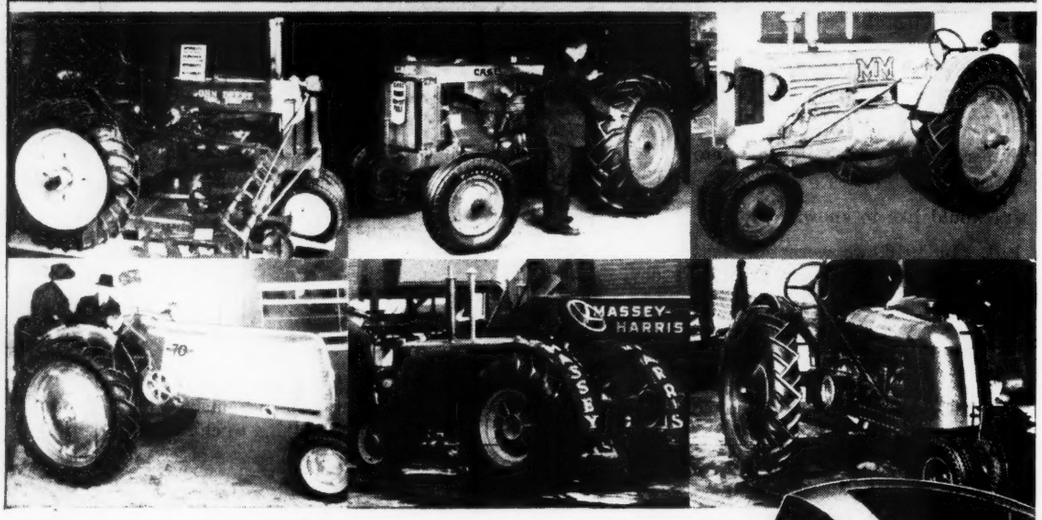
Defeat the naval expansion measure. Defend the neutrality act. And, in regard to military and naval expenses, let our slogan be: "Millions for defense, but not one cent to send troops or battleships to Europe or Asia!"

APRIL 9, 1938

FIRST CHOICE



AT THE WICHITA Farm and Road Show



THIS year, at the great farm and road show at Wichita, Kansas, more of the machines on display were equipped with Firestone Ground Grip Tires than with all other makes of tires combined. This overwhelming preference for the world's greatest traction tire is the result of its many exclusive construction features. These make possible its leadership in economy and performance. The patented Firestone Ground Grip Tire is the only tire made that gives you the following advantages:

Triple-Braced Traction Bars provide more positive traction and do not bend, break or tear off as when unsupported.

52 to 89 Extra Inches of traction bar length give greater earth biting power.

32% Greater Surface Contact gives increased pulling power and longer wear.

Better Cleaning in all soil conditions is made possible by the scientific spacing between the traction bars.

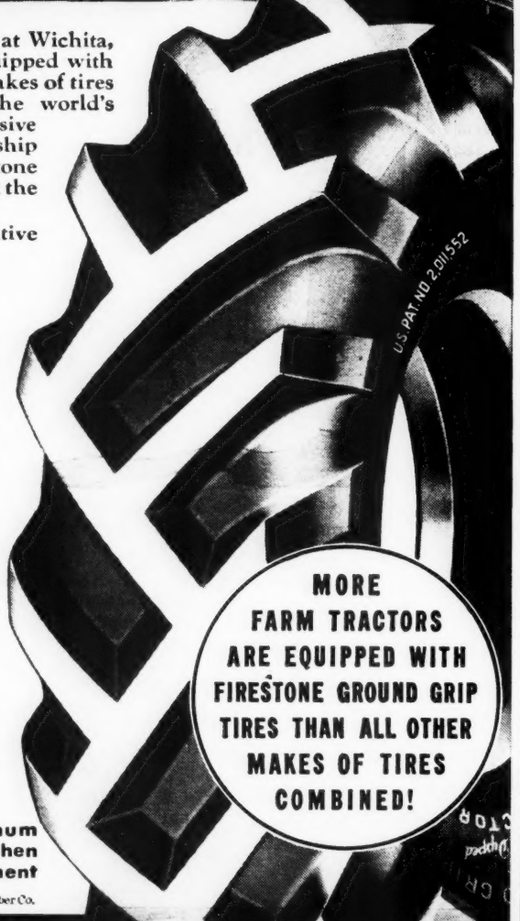
Smoother Riding is made possible because the traction bars are joined together and form one continuous contact with ground or road.

Longer Tire Life is provided by the patented Gum-Dipping process which protects against penetration of moisture, guards against destructive internal friction and lessens the strain of heavy pulling.

Tread Guaranteed Not to Loosen because two extra layers of Gum-Dipped cords under the tread provide inseparable union between tread and cord body.

SAVE 25% in time and up to 50% in fuel over steel-lugged wheels. See your nearby implement dealer, tire dealer or Firestone Auto Supply and Service Store today. Accept no substitute for Firestone extra value.

For Greater Economy, Longer Life and Maximum Performance, Specify Firestone Ground Grip Tires When You Order a New Tractor or Wheeled Farm Implement



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Firestone
GROUND GRIP TIRES

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Workday Pointers

ORPHAN COLTS may be fed milk low in fat content from a fresh cow, it is suggested by A. B. Caine, of the Iowa State College animal husbandry department. To a pint of cow's milk add one tablespoon of sugar and three or four tablespoons of lime-water. Heat the milk to 100 degrees F. and give the colt from one-fourth to one-half pint each hour for a few days. Feed the milk either from a bucket or with a bottle and nipple. In a few weeks, the sugar and lime-water can be dropped, and in a few more weeks skim-milk can be used in place of the whole milk. Teach the colt to eat grain as soon as possible.

▲ ▲ ▲

IN DEHORNING cattle with saws or any of the mechanical dehorners, it is advisable to remove the horn from a point about one-fourth of an inch below its junction with the skin or hide. If this is done, the skin will grow over the horn—forming cells, and preventing further growth of the horn. If the work is done in warm weather, when there is danger of flies, the wound should be covered with a repellent such as pine tar or a mixture of pine tar and tannic acid.

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TWO HYBRID STRAINS of chickens that may be of practical use on farms have been found by the United States Department of Agriculture. One of these came from a cross of Rhode Island Red males with White Wyandotte females. The other, Barred Plymouth Rock males with Rhode Island Red females, is used for broiler production.

▲ ▲ ▲

RAKING AND BURNING, operation of a stalk cutter or disking are largely a waste of labor, time and power in the preparation of an old corn field for a new crop, according to tests of the federal Bureau of Agricultural Engineering. It saves time to use a plow designed and equipped to cover trash at the same time the ground is being turned over.

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STRIP CROPPING is the planting of alternate narrow strips of row crops and meadows or grains on sloping land. Contour farming is the planting of row crops around the slopes, so that the row is at about the same level at all points.

▲ ▲ ▲

FOR CASTRATING LAMBS a month old or less, a knife is preferred. For older lambs, an emasculator is satisfactory, because it does not make an open wound. If blow flies or maggots bother open wounds, treat with pine tar.

▲ ▲ ▲

Pants Saver

If there is a section of barbed wire fence thru which you frequently crawl, try wrapping the wire with rubber from an old inner tube. Wind the strips around the wire and tie on with cord.

Plantain

Every middle-westerner should know common plantain, as it is found in almost every dooryard. Its broad, smooth leaves and upright seed spikes are a familiar sight in summer. How many of our readers know the time honored custom of pulling out a plantain leaf and noting the number of string-like ribs remaining with the stem, thus to ascertain how many falsehoods have been told during the day?

ELECTRIC ENERGY at a cost of 5 cents an hour means that a shallow well pump, under average farm conditions, will pump 1,000 gallons of water at an expense of 6 cents, and a deep well pump will hoist the same amount of water for 8.2 cents. Thus, the cost of pumping 14,600 gallons of water a year for the average farm household of five will range from 88 cents to $1.19, with electricity at the 5-cent rate.

▲ ▲ ▲

ERODED LAND on which erosion has been checked often presents a problem for subsequent management for best returns. One course is to apply commercial fertilizers, organic matter and other materials to build the land back so that it can again produce crops requiring high fertility. A second course is to shift the use of the land to crops that are best adapted to a diminished level of fertility.

▲ ▲ ▲

PERMANENT PASTURES occupy approximately 55 per cent of the total land area of the United States. Good pastures offer the dairy and beef producer his cheapest and most economical source of summer feed.

▲ ▲ ▲

A MAP AND RECORD of the farm drainage system tends to improve the sale value of the farm, and is an aid to the operator in case repairs are needed. The time to make the map is when the tile lines are being laid.

▲ ▲ ▲

BROODING equipment for young chicks should not be overcrowded. A total of 300 to 350 chicks is enough for a 10x12-foot brooder house. For early chicks, this number should be reduced one-fourth to one-third.

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SODIUM FLUORIDE dusted in their runways will control cockroaches. The chemical is poisonous to man if taken internally, however, and must be kept out of food and away from children and pets.

▲ ▲ ▲

BEES are highly selective in gathering nectar from flowers. They prefer a nectar with a high concentration of sugar. The sugar concentration should be at least 30 per cent to attract.

▲ ▲ ▲

SALT is used to control the movements of cattle while ranging in the national forests. The cattle will follow the distribution of salt.

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ONE TURKEY TOM to each twelve to eighteen hens is the usual recommendation for farm poultry producers.

▲ ▲ ▲

DISEASE BACTERIA hold annual reunions in uncleaned henhouses and on contaminated ranges.

Good pastures are important to dairy profits. Used wisely they help to lower feed costs. But pastures have their shortcomings. In the early spring young grass is too washy — too low in dry matter — to supply the nutrients essential to milk production. This is the first danger period. Then later toward midsummer as pastures mature and pass their prime, they present a second danger period. During the late summer aging and drying grasses again fall short of supplying enough nourishment for the double job of maintaining condition and keeping up milk flow.

To get the most from your pastures — to avoid costly slumps in the early spring and late summer — keep Linseed Meal on the job in a balanced grain mixture. See that your cows, in switching them over to pasture, are supplied with the needed nutrients that early pastures lack. Don't let your herd go out out of condition, lose weight and fall off in milk production. Use Linseed Meal to provide a correct protein balance — and use it for the extra benefits of its exclusive conditioning factor, vitamin F.

Stockmen with beef cattle to finish for summer and fall markets must also guard against neglecting Linseed Meal during the pasture months. In beef feeding even prime pastures must be supplemented with ample amounts of concentrates — and, well ahead of marketing time, beef cattle must be taken off pasture and put on full feed if they are to be well finished for best prices.

In every season, for every class of stock, Linseed Meal with its conditioning vitamin F adds to feeding profits. Find out how to use Linseed Meal to best advantage. Study the rations recommended in the new feeding manual, "More Dollars Per Head". Mail the coupon below, today, for your free copy!

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Your new feeding handbook, "More Dollars Per Head", with its practical rations and handy reference sections sounds good to me. Please send my free copy at once.

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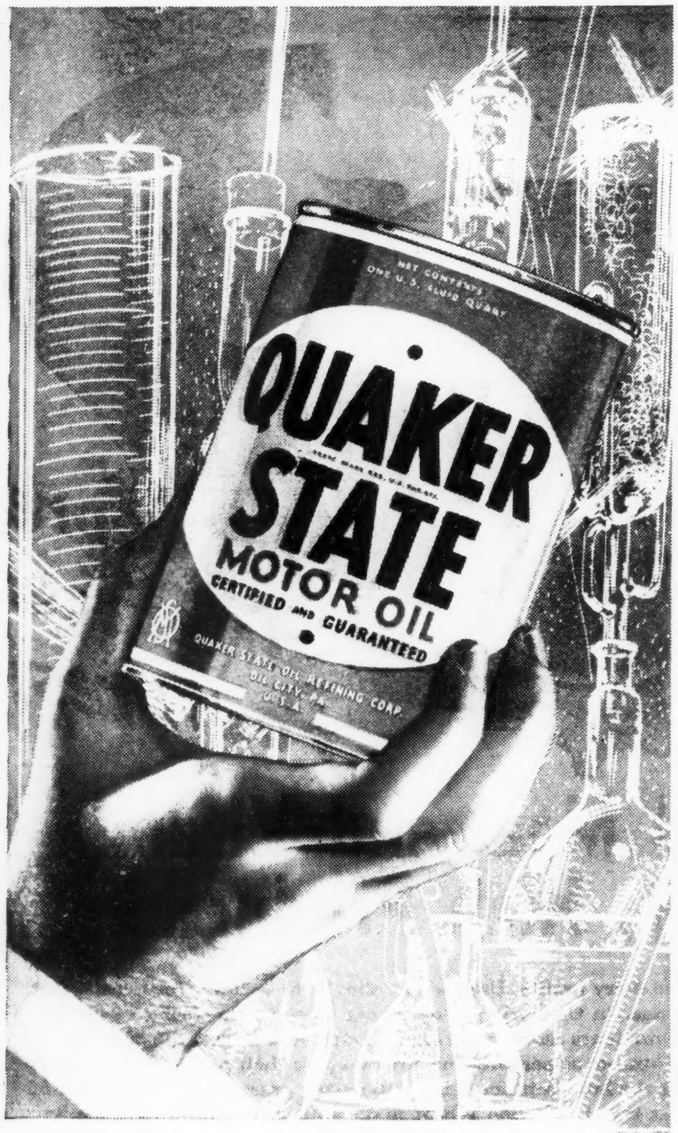

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MAKES CARS RUN BETTER
LAST LONGER

Which Farm Is Rented?

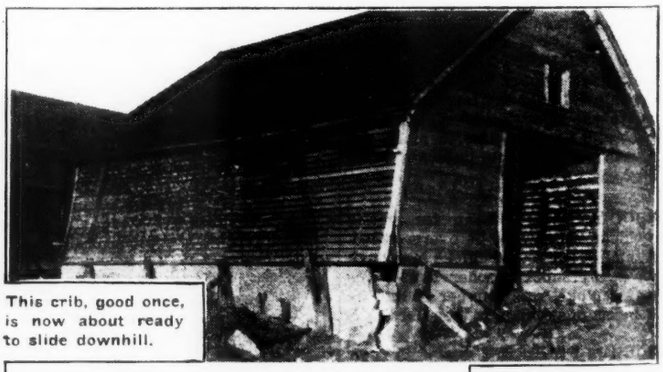
Look Over the Pictures Below and Make Your Guess on the Type of Tenure in Use

FOURTEEN YEARS

Here is a good farmstead layout, a fine barn and a good-looking house. The farmer, shown on his horse at the right of the picture, has been operating this place for the past fourteen years.

Farms in Jasper County, Iowa

In contrast to the good-looking farm above is the poorly equipped place below. Photographs of both of these Jasper county farms were taken by Clarence Stevens, of Newton. The buildings not shown in the pictures below are in pretty bad shape, too.



This crib, good once, is now about ready to slide downhill.

The shed in center gave up last year and collapsed.

The answer to the question at the top of the page is that both farms pictured above are rented. The farm shown in the upper group of pictures has been handled on a long-time basis, and adequate funds for its upkeep provided. The farm in the lower group is rented on a year-by-year basis, with the usual results.

Sometimes, as is shown above, a long lease on a good farm may work out just as well as ownership so far as the farm, the community and the farmer are concerned. But a farm that is subjected to a change of operators every year or two—whether that farm be owned or rented—is in for trouble.

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WALLACES' FARMER
Iowa Homestead

GOOD FARMING CLEAR THINKING RIGHT LIVING

HENRY A. WALLACE, Editor
On leave of absence as Secretary of Agriculture.

Former Editors: Henry Wallace, February, 1895, to February, 1916; Henry C. Wallace, February, 1916, to March 4, 1921.
Editors: Donald R. Murphy, Arthur T. Thompson, F. R. McIntyre, Mrs. Lois Johnson Hurley, Home Department; F. I. Wood, Service Bureau.

Entered at Des Moines, Iowa, as second class matter.

VOL. 63 DES MOINES, IOWA, SATURDAY, APRIL 9, 1938 NO. 8

Civil Service for State House

Wisconsin Has Tried to Substitute Examinations for Political Pull in Selecting State Employes

WHEN a bureau chief at a state capitol hires a stenographer, should he pick one from a group that have passed fairly stiff tests in shorthand and typing? Or should he pick one that is recommended by a county chairman who hasn't yet got his share of state jobs?

Most states in the corn belt still use the second method a good part of the time. Wisconsin is an exception. Would it pay Iowa and her sister states to shift from the spoils system to civil service, as Wisconsin did thirty-two years ago?

Without civil service, there is an almost complete turnover in state jobs when there is a change of parties at an election. Sometimes there is a lot of firing even when one party stays in control. In the old days in Iowa, one faction of the Republican party used to clean house pretty thoroly when it licked another faction and took control of state affairs.

Iowa has never taken much stock in civil service for state employes. The nearest the state came to thinking about the subject was when the Brookings Institution, at the request of the Herring administration, submitted recommendations for reorganizing the state government in the interests of efficiency and economy.

Approved by Brookings

The Brookings report recommended a state civil service. But the Iowa assembly failed to act on the recommendation.

A close observer of state house affairs in the corn belt states tells us:

"Every elected official finds that as soon as he takes office, in will come Joe Brown to call the official's attention to the good work Joe did for him in the campaign. Often, Joe did help out, and the official knows it. But, altho the official also knows that Joe did it with a job in mind, it is pretty hard not to give Joe his reward. Yet the applicant may not be qualified for any position whatever.

"As a result of such situations, and the pressure from organized politicians, there are stenographers employed by most states who can not take dictation. This not only happens in the state offices, but many legislators will have clerks who can not take a letter. This is particularly bad where the legislator can't dictate one.

"For these reasons, most state offices have individuals in them who do very little work, while at the same time they have others who are very much overworked."

It was that way once in Wisconsin, too. Early records show that every time a state administration changed, there was an almost complete change in the staff of state employes.

But Wisconsin people got tired of the waste and inefficiency of the spoils system. For thirty-two years, the state has been operating on a civil service plan, one of the fifteen states that have abandoned the spoils method.

What things are included in the advantages of civil service, as seen by the Wisconsin authorities? To list a few points only:

HEADACHE

"Altho most politicians would fight any civil service proposal, they would really be the ones it would benefit the most. In politics, patronage is a headache and nothing else."

This is the view of an official in one corn belt state.

Will enough politicians share his views to make civil service for state employes a live issue in the state campaigns in the corn belt this year?

Read this article and see if the Wisconsin system sounds any better than the one in use in the state in which you live.

Practical competitive tests to get the best qualified persons to serve the state.

A study of the duties and responsibilities of the various positions and the conditions of employment, known as the classification plan.

Studies leading to establishment of uniform rates of pay with schedules providing a real guide for the recruiting agency and establishing a basis for budgeting, known as the compensation plan.

Uniform methods for promotions to higher positions based on faithful and efficient work.

Some attention to employment conditions affecting the welfare of employes, and the close checking of payrolls to see that the laws are enforced, without making vicious use of special privilege.

Wisconsin's amended civil service administration consists of a personnel board of three members, named by the governor with the approval of the senate, each named for six-year overlapping terms. The law limits the meetings of the board to twenty-four each year.

The active full-time officer representing the board is the director of personnel, serving without definite term and chosen by the governor from a list of high ranging candidates submitted after each examination by the board. He may be removed by the governor with the consent of the personnel body. The functions and duties of the board and the director do not conflict any more than those of a judge and jury, the board being the final rule making authority before whom all major hearings and complaints come, while the director is the executive who keeps the wheels moving on routine affairs, as well as directing research and investigations.

Powers of the Board

The board may create new positions when needs arise after analysis by the director and the respective bureau chief. The board considers also matters involved in changing the title or salary range under similar circumstances. Where salary ranges are altered, consent must first be secured from the budget director and the "emergency board" of finance before being effected.

In cases of vacancy and proposed promotions in the same department, the director and the bureau staff concerned set up an examination, and the personnel board plays no part. Reinstatement of discharged employes is handled solely by the board itself, after due notice and hearing of both sides, but the director notifies the parties of the outcome.

Wisconsin has 2,500 persons in the unclassified or non-civil service group, comprising all of the elected officers, all of the legislators, officers named by the governor and the principal officers elected by the legislature, the university staff and the teaching force of normals, mining school (Continued on page 26)

Applicants registering with Wisconsin Bureau of Personnel. During the last fiscal year, nearly 16,000 applications were filed and 230 group examinations given.

Editorials

Is the South Really Raising More Hogs?

UP IN Wisconsin and other dairy states, the foes of the AAA program tell farmers that the south is going into dairy production in a big way as a result of the reduction of cotton acreage. In Iowa and other corn belt states, they claim that the south, instead of trying dairying, is going into corn and hogs.

One story or the other may sound reasonable enough to farmers who haven't checked the figures. Cotton acreage has been cut down. Naturally, cotton farmers have to do something with those acres. It seems likely that they might put them into corn, and raise pigs, or that they might put these acres into hay, and raise dairy cattle.

But what did happen? We don't have to guess. The facts are available.

As noted elsewhere on this page, corn acreage planted in the sixteen southern states actually dropped from 35,613,000 acres, before the AAA, to 32,906,000 acres last year.

Cheap cotton forced an increase of 5,000,000 acres of corn from 1929 to 1932. Higher priced cotton, under the AAA, brought corn acreage down 2,000,000 acres from the 1932 standard.

Somewhat the same thing happened with hogs. The big corn acreage of 1932 resulted in 2,380,000 head of hogs from the southern states being slaughtered under federal inspection in the following year. The number of hogs from the south slaughtered under federal inspection in 1936 was 2,254,000 head.

But what has been done with the acres taken out of cotton? Apparently, bigger farm gardens have been raised. A family cow and a pig have been added to some establishments before without them. But the production of butter, hogs and corn for the market has not been increased.

We believe that corn and livestock production will increase in the south as the years go on. It should. One of our southern friends writes us that a million and a half farm families do not have a cow or a pig. A million and a half more dairy cows, and a million and a half more pigs, properly distributed among these people, would not add to the volume of butter or pork reaching the market. But they would add immeasurably to the health of the people of the south.

Corn and hog farmers do not need to worry about corn and hog production in the south this year. If cotton drops again to five cents, then they can expect trouble. But if cotton prices are held up, and particularly if the AAA program stimulates livestock production for home use on the southern farm, the south will eat up all of the extra butter and pork which it may raise on acres taken out of cotton.

The old saying, "Don't holler till you're hurt," applies here. Back in 1933, enemies of the AAA started hollering that the south would go into corn and hogs and wreck the corn belt. But actually the corn belt hasn't been hurt yet. The 1938 "intention to plant" figures on corn acreage for the southern states show a smaller total than the acreage actually planted in 1933. The number of pigs on southern farms on January 1, 1938, was smaller than on January 1, 1933.

Yet the hollering continues. It comes pretty largely from folks who make a profit on each bushel of corn and each pound of pork and each bale of cotton they handle. Naturally, they want as much produced as possible. But there is no reason for the farmer to holler with them. He is interested in what he brings home from market in his pocketbook, not in the size of the load he hauls there.

Soys Need Cover Crop To Follow

A LOT of farmers are going to grow soybeans for hay this year in order to keep their total soil depleting acreage within AAA limits. Of course, everybody knows that soybeans are a soil eroding crop, and that they are permitted this year merely in order to fill the gap left by the failure of real soil conserving seedings the past year.

We urge that farmers do more for soil conservation in handling the soybean crop than the program requires. Get the hay crop off early enough so that a cover crop of rye can be drilled in by September 15. The rye will keep the soybean ground from bad washing in fall and spring, will provide some spring pasture, and will supply green manure when it is plowed under.

Over in Tama county, Iowa, where they have a special program of their own, soybeans are classed as a soil depleting crop unless they are followed by a cover crop. The rest of the corn belt could well follow Tama county's example.

CORN IN SOUTH

The claim has been made repeatedly by enemies of the AAA that the plan has increased corn acreage in the southern states and put the south into competition with the corn belt.

Let's look at the facts.

The Department of Agriculture's report on corn acreage plantings (planted acres indicate what southern farmers want to do; harvested acres what the weather lets them do) shows this:

In 1929, in response to a cotton price of 17.99 cents a pound the previous year, the sixteen southern states planted 30,647,000 acres to corn.

In 1932, in response to a cotton price of 5.66 cents a pound the previous year, the same states planted 35,613,000 acres to corn.

In 1937, after a number of years of AAA programs, and in response to a price of 12.30 cents a pound the previous year, the southern states planted 32,906,000 acres to corn.

In the spring of 1938, with cotton acreage likely to be further reduced, southern farmers announced their intention of planting 33,255,000 acres to corn.

What increases corn acreage in the south? Five-cent cotton or the AAA?

Dusting Off 1936 Campaign Addresses

EVEN tho Colonel Knox and some other Republicans have come over to the farm point of view on tariffs since 1936, John D. M. Hamilton, chairman of the Republican national committee, is still making his 1936 speeches over again. In a visit to Des Moines recently, he said:

> In 1932, wheat imports into the United States were 6,000 bushels. In 1937, they were 34,262,000 bushels. In 1932, corn imports were 386,000 bushels. In 1936, they were 77,974,000 bushels. In 1932, Polish ham imports were 7,000 pounds. In 1937, they were 27,000,000 pounds.
>
> The farmer must wonder why it is the policy of the administration to restrict farming while putting no restrictions on those who have the benefit of the reciprocal trade agreements.

Some one should tell Mr. Hamilton that the 1936 drouth is over, that there is no reciprocal trade agreement with Poland, that pork imports are half what they were a year ago and much less than exports, that in January, 1938, according to the Department of Commerce, exports and imports of corn and wheat were as follows:

	Imports	Exports
Corn (bushels)	39,286	13,254,284
Wheat (bushels) ..	3,553	8,508,711

To the wheat exports should be added 334,396 barrels of flour made from United States wheat.

And farmers might ask again if Mr. Hamilton remembers that corn was down to 10 cents and hogs to 3 cents in the 1932 period he recalls so fondly.

This May Be The Year to Start Legumes

IN SPITE of all the work, fertilizer and seed used in trying to get more land down to hay and grass, farmers have not been making much progress lately. Drouth has checked the program. Back in 1933, the tame hay acreage of the United States was 55,829,000 acres; last year, only 54,792,000 acres were harvested.

This year, farmers hope to have 57,000,000 acres in tame hay. Iowa is expanding its tame hay acreage 12 per cent this year. The southern states are all expanding hay acreage. That's where some of the diverted cotton acres are going.

A lot of lime has been spread on corn belt farms in the last few years. In spite of unhappy recent experiences, a surprising number of farmers are this year taking their 1937 conservation checks and buying more clover and alfalfa seed. They figure that the tide has to turn some time, and that this may be the year for a moist, cool growing season to give all seedings a fine start.

We hope they are right. And we admire the courage of those who disked up dusty fields in March and prepared to broadcast their precious legume seed in that dust. May those dusty fields be green and fragrant with clover and alfalfa in July!

Sweeney Doesn't Like Big Cities

CITIES that are too big are the basic trouble with civilization, according to Dr. O. R. Sweeney, of Iowa State College. The cost of living increases rapidly as cities grow larger, until in the largest cities it becomes so excessive that the only way they can exist is to graft off the rest of the country. That impoverishes the hinterland, unbalances the economy and leads to hard times and finally to national decay.

People go to large cities primarily to have fun, Doctor Sweeney says. That is about all these cities are good for. Most manufacturing and business can get along much better in smaller places. But because they can have an occasional good time in the city, people want to move there, under the mistaken impression that they can have fun all the time. They can not, partly because human nature isn't made that way, and partly because most of them can't afford it.

So Doctor Sweeney believes that if we would avoid the fate of the vanished civilizations of the past, we must scatter industry and business thruout the country.

At least, that would bring the farmer's customers closer to him, and perhaps thereby make it possible for him to get a larger share of the consumer's food dollar.

Taking the Squeaks Out of Government

FARMERS who listen to one set of speeches may decide that the bill for reorganization of the government is a trick to make President Roosevelt another Hitler. If they listen to another set, they may conclude that the reorganization bill is merely an attempt to take some of the squeaks out of the lumbering administration machinery of the federal goverment.

The second view is supported by the fact that President Roosevelt is merely proposing the same kind of reorganization that has been urged by president after president and expert commission after expert commission for a good many years. Everybody admits that the federal bureaus and agencies ought to be reshuffled and reorganized. The question is how to do it.

Those who see the bill as a trick to make a dictator out of the president object principally to two points:

1. The bill permits the president, not congress, to do the reshuffling. Congress can veto the president's action, but if he still holds to his original views, it will require a two-thirds majority to override him.

2. The office of comptroller general is split into two new jobs. The director of the budget would take over the accounting work. An auditor general, appointed by a joint committee of congress, would audit expenditures after they were made.

On the first point, it seems to be clear that congress can't do the job itself, or it would already have been done. Log-rolling among congressmen—"You vote to keep my bureau and I'll vote to keep yours"—is fatal to any real reorganization. If the president isn't given the power to do the job, it won't be done. Congress can always, by specific legislation, change the president's orders.

The second step seems like a movement toward better business practice. The auditing job would be in charge of congress, and would be entirely separate from the executive department. This is in line with the practice of having the books of a business audited by an outside accountant.

Federal reorganization is one of those common-sense reforms that should have been accomplished twenty years ago. Congress, in giving up its unused powers to reorganize the executive branch, has merely passed the buck to the president. The danger probably is not that the president will do too much in the way of reorganization, but that political pressure from all affected bureaus will prevent him, as it has prevented congress, from doing what needs to be done.

Prospects In the Hog Market

WHAT will hog prices do for the rest of 1938? The Bureau of Agricultural Economics suggests that the peak in hog prices reached this spring may "be the peak for the entire year 1938."

The normal seasonal drop in late spring and early summer is expected, with the usual rise in late summer. Weak consumer demand, unless there is a pick-up in employment, may check this late summer rise. In any event, it will probably be considerably under the 1937 figure for the same period.

From now until the end of September, according to the bureau, the hog situation will be influenced by:

1. A weaker consumer demand for meats.
2. Larger hog marketings.
3. Smaller storage supplies.

We are sure of smaller storage stocks and sure of larger hog marketings, but consumer demand could improve if a business revival sets in before fall. Since larger hog marketings will merely offset the decrease in storage stocks, the price turns pretty largely on consumer demand.

For next fall, it seems certain that there will be more hogs coming on the market, since at least a 5 per cent increase in spring farrowings is likely. This should accentuate the usual seasonal price decline. On the other hand, if predictions regarding a revival of business in the fall are correct, improved consumer demand may help materially.

Farmers who have early spring litters can profitably head them for the August and September markets. It may prove more important than usual to rush pigs in this year before the fall decline in price.

The Song of the Lazy Farmer

MY NEIGHBOR'S out there with his plow, he's full of pep and ginger now; he's chasin' back and forth across the field for fear he'll have a loss if he delays an hour or so; he wants his seed to start to grow, and says a man must keep ahead and get himself a good seed-bed if he would raise a bumper crop, and so he works without a stop. The furrows turn from off his plow, the earth smells mighty good somehow; it's full of promise and of life, the plow cuts thru it like a knife, and soon the field will be prepared, the mellow soil will all be aired, and all them seeds will have a chance to grow up into useful plants.

My neighbor calls me lazy for, on days like these I just abhor the thought of gittin' up a sweat; there ain't so big a hurry yet, and I just love to sit and rest, it gives to life a fresher zest. Next week I'll have the hired hand git busy plowin' up my land; we'll git our work all done some way, but I'll just wait another day before I buckle down to toil a-stirrin' up the fertile soil. There's time enough, but precious days like these seem made for me to laze on my front porch and rest, by gee, and let the sun soak into me. It fills me full of vitamins, so when I do grab hold the lines, I'll git my work done mighty quick, while neighbor'll just work himself sick!

Retail Price Of Pork Falls Too Slowly

IF retail meat prices fell as rapidly as the prices of livestock on the foot, then consumption would increase as consumers rushed to take advantage of bargain prices. And, presumably, livestock prices would steady as the demand increased.

But, unfortunately, this doesn't happen. In February of 1937, for instance, hogs at Chicago were at $10.24, wholesale prices of pork derived from 100 pounds of carcass at $11.05, and retail prices at New York at $13.64. But in February of 1938, with hog prices at $8.78, and wholesale prices at $9.90, retail pork prices had only dropped to $12.75.

While live hog prices dropped $1.46, retail prices only went down 89 cents. Apparently, the lag between hog and pork prices makes the farmer lose twice on wide fluctuations. He loses first because of the hog price drop; he loses second because consumer demand is not stimulated by a corresponding drop in retail prices.

Odds *and* Ends

NONE of the old-timers liked March this year. Too warm and too dry. The dry weather reminded them of the spring drouth of 1934 and the warmth made them certain we would get snow and freezes in April.

IOWA farmers are apparently going to increase barley acreage 8 per cent this year and oats acreage 3 per cent, while the rest of the nation is cutting down slightly on both crops. Soybean acreage in the state will be about the same as last year, however.

IF THE intention figures on spring wheat and the December estimate on winter wheat come near the actual figures for 1938, we will harvest 66,000,000 acres this year. We had just 64,460,000 acres of wheat to harvest last year, and the average for 1927-1936 was 55,325,000 acres. If weather is at all favorable, wheat could be pretty cheap this summer.

A GOOD one has come to us from H. R. Tolley, of the AAA. He said the other day: "If a farm bill is brief, simple and broad, it is promptly charged with trying to set up an agricultural dictatorship. If congress writes out the regulations in the law itself, and if there is no other fault to find, then the bill is assailed on the grounds of being complicated."

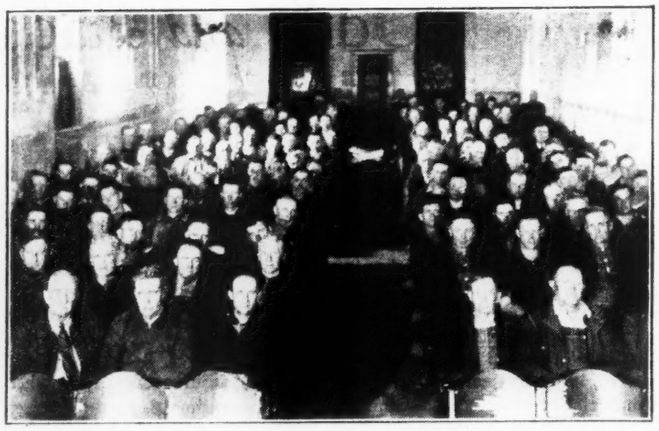
A FRIEND tells us that it's hard to get a young hired man who knows anything about livestock or how to handle a team of horses. Even farm-raised boys, he says, usually prefer to run the tractor and let the old man look after the stock, so that when they go out to work they are tractor farmers and not much else.

PROFESSOR DRUMMOND, of Canada, speaking before the Farm Institute recently, told how Canadians were working to develop hog types that would suit the English market. And he intimated that if American farmers and packers weren't willing to work as hard to supply the exact type of carcass Britain wants, it wouldn't make much difference whether quotas for the United States were enlarged or not.

DOWN at Atchison, Kan., directors of a plant for processing farm products were thinking about using castor beans as a source of lubricating oil. But castor beans have a bad habit of shattering and are very hard to harvest. It looked like a ten-year job of breeding up a strain of beans that would have a tight clinging husk and that could be harvested easily.

Then they happened to look around the back yards in Atchison and found a good many castor bean plants that, strangely, had beans with tight clinging husks, just as were desired. How did it happen?

Very easily. Atchison people have been conducting a breeding experiment for some years, without knowing it. The custom has been to wait until spring before looking for new bean seeds to plant. That meant that only the few beans which happened to have tight husks were left on the plants. So, year after year, beans with tight husks were selected to plant. So that, now, a new strain of castor beans, with tight husks, has been developed. The company's plant breeders have been saved a long job.



The Tama plan carried by a big majority at this meeting at Garwin, Iowa.

Tama Backs Its Plan

TAMA county, Iowa, farmers, who made a success of their experimental AAA plan last year, are going on with much the same program for another season.

In the closing days of March, they voted 928 to 59 to stick to the Tama county program instead of following the national plan.

This meant a sacrifice for some farmers in the county. The Tama county plan pays less for corn acreage reduction, more for soil building practices and crops. A farmer with a liberal corn acreage allotment would get a bigger check under the regional plan than under the Tama plan.

More Cooperated

Tama farmers, however, are well pleased with their program. Last year, they got many more farmers into the program than neighboring counties. What was even more important, they had cooperation from a much higher percentage of the poorer farms.

The Tama program attempts to give some reward for any real effort toward soil improvement, even tho the farmer can't do very much. And it attempts to put allotments on a soil and farm management basis instead of on the basis of the past history of the farm.

All the north-central area was this year supposed to follow Tama's example on a revision of bases, but the late passage of the act made many county committees postpone the job and meet the present urgent situation by a flat reduction under last year's allotments. Tama hasn't yet gone all the way toward putting allotments on a management basis, but it is at least a year ahead of most other counties.

Tama county must, of course, meet its county limits on corn and soil depleting crops, just like other counties. It gets only its normal share of benefit money. But within the county these rewards are distributed on a different basis than elsewhere in the corn belt. The Tama county plan has been approved by the AAA as a desirable experiment.

Robert Lyon, of Traer, continues as chairman of the county committee. Also reelected to the committee were John Chervey, of Chatler, and Harry C. Aschenbrenner, of Dysart.

Fat Cattle Prices

Short-time prospects are for some seasonal gains in prices of well finished slaughter steers in late summer and fall. Declining consumer demand is the hazard here. However, the Bureau of Agricultural Economics reminds feeders of this past history:

"In each of the years from 1930 thru 1933, when general business activity was declining, some upturn in prices of the better grade of slaughter cattle occurred during the summer or early fall months. Hence, it is likely that some seasonal improvements will occur in prices of such cattle this year, even tho business activity does not improve."

GRINDING 'EM OUT

Here is a part of the office force of the Iowa agricultural conservation committee at Des Moines, busy at the job of getting out payments under the 1937 soil conservation program. The state office first receives the records of performance for farms by counties; if these check out, applications for payment are prepared and returned to the counties for signatures. On the second time in, the signed forms are rushed to the disbursement unit for the writing of checks.

At the end of March, payments under the 1937 program had been made to farmers in thirty-one counties, and additional forms were being shoved thru at the rate of between one and two counties per day.

Farmer Named on Credit Board

Clash Between Secretary-Treasurers and Farmer-Borrowers in Loan Election

A FARMER was named to the Farm Credit Board in the Omaha district at the election last month. The votes of 39,558 farmer-borrowers were cast for Raymond Sayre, of Warren county, Iowa, and 16,770 votes for his principal opponent, Ray Moehn, banker and secretary-treasurer of the farm loan association at Carroll, Iowa.

The election turned out to be a vigorous contest between the farmer-borrowers and the secretary-treasurers, with the farm group backing Sayre and a number of secretary-treasurers backing Moehn.

Before the election, a group of farmers, headed by Fred W. Nelson, of Story county, sent out a letter to local directors of loan associations which read:

Chance to Elect

"The position now vacant is one of seven on the board at Omaha. It is, however, the only one of the seven which we borrowers have, thru our local boards of directors, the outright power of election. . . . At the present time, there are two capable secretary-treasurers on our Farm Credit Board, while there is not a single farmer-borrower. If Mr. Moehn should be elected, the farmer-borrowers, with more than $21,000,000 invested in the Federal Land Bank of Omaha, still will not have one of their own number on the governing body of that institution. Is that good business?"

A number of farmers were nominated for the position to which Mr. Sayre was elected. Fred W. Nelson and Jay Person withdrew in Sayre's favor. This left Paul W. Strickler, of Appanoose county, and Sayre the leading farmer candidates. Strickler, realizing that to divide the farm vote would be to give the election away to the opposition, also withdrew in favor of Sayre, and at the election the farmer-borrower group voted quite solidly for Sayre. In the election before this, a three-way split between farmer candidates had given the election to a secretary-treasurer.

The Farm Credit Board at Omaha is made up of seven members. Three are appointed outright by the governor of the district administration; one is elected by Production Credit Associations, one by cooperatives owning stock in the Bank for Cooperatives; one is elected by the National Farm Loan Associations, and the other is appointed by the governor from among the three highest nominees named by the Farm Credit Associations.

Sayre beat a secretary-treasurer.

Sorghums in Iowa

WOULD it pay to plant a field to sorghum this year, just as a hedge against dry weather? If the season should be normal, how would the sorghum compare with corn? Many Iowa farmers, especially those in the western part of the state, may ponder these questions as they map out their 1938 cropping plans.

Drouth Resistant

The first significant fact is that sorghum is very definitely drouth resistant, hence is assurance of some forage in event of a dry season. Certain sorghum varieties are chinch bug resistant, and numerous reports indicate that some varieties are also grasshopper resistant. These characteristics are more extensively developed than in the case of corn.

As for yields of forage, sorghums exceed corn for forage purposes in a dry season, and yet are close to corn in good years. Experience with Atlas sorgo at the Iowa State College dairy farm during the past few years gives sorghum quite an advantage in yield over corn in the dry years of 1934 and 1936 and only a slight advantage in the more normal seasons.

Farm crops investigators at the Iowa station also tested some sorghum varieties and King corn in the normal season of 1935. The corn yielded the equivalent of 4.6 tons per acre from its test plot, while the sorghums yielded forage as follows: Atlas sorgo, 4.3 tons; Waconia Orange, 3.6; Minnesota Amber, 3.5; Sumac, 3.4; Grohoma, 3.2; Dwarf Hegari, 3.2; Waconia Amber, 3.1; Red Amber, 3.1; Feterita, 3.1, and Blackhull Kafir, 2.3 tons.

In connection with varieties, it should be pointed out that results at the Oklahoma station have shown Atlas sorgo to be chinch bug resistant, while the feteritas were susceptible, and Red Amber, Waconia Orange and Sumac varieties were intermediately susceptible. Data published by the United States Department of Agriculture indicate that the milos are very susceptible to the bug injury, while the kafirs are resistant. Hegari was found to be more susceptible than most of the kafirs. Darso was moderately resistant.

Granting that sorghums do yield satisfactorily in comparison with corn, even in a normal season, how does the resulting forage compare with corn silage forage? In general, the Iowa station has found sorghum silage to be worth about 90 per cent that of corn grown in the same season.

Not for Grain

Sorghums for grain are not recommended as an Iowa crop by the Iowa station workers. Prof. Joe L. Robinson points out that under average conditions the more desirable forage varieties are too late for maturity of seed. This is especially true with Atlas sorgo. In addition, Robinson states, the grain will generally be of poor quality and relatively low in yield as compared with corn, excepting possibly in very dry seasons.

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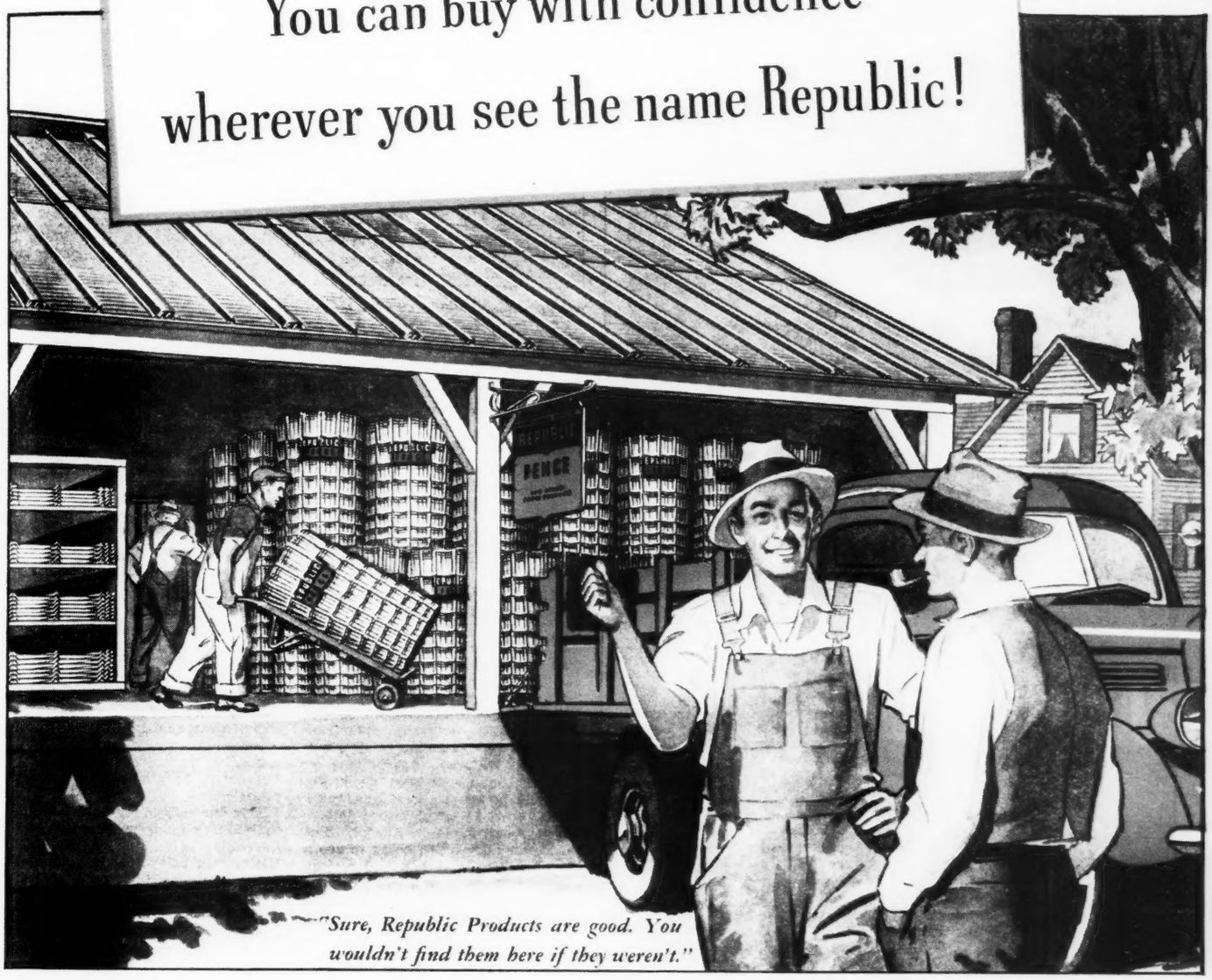

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Because he is Republic's only direct contact with *you,* he has been selected with care. He has a reputation for fair dealing. He is anxious to serve you well. He is up-to-date in his methods and his merchandise.

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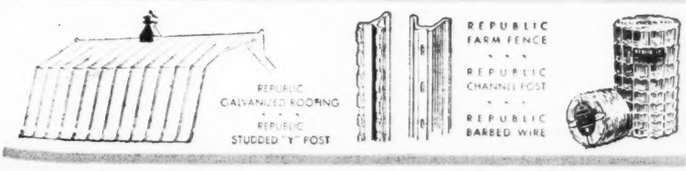

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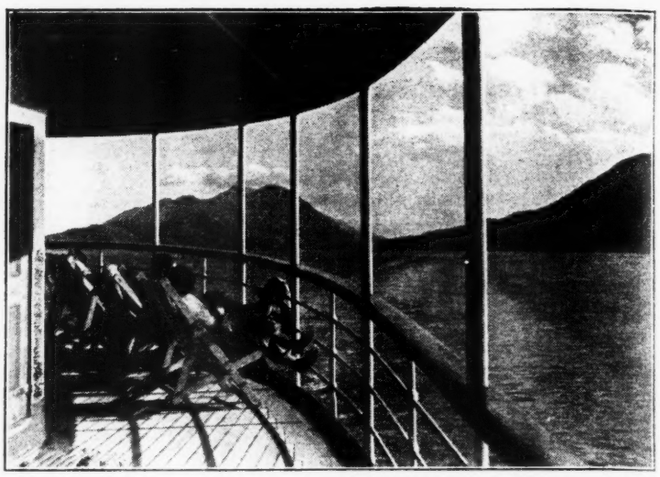

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So we have completed all arrangements for what promises to be one of the most thoroly enjoyable trips we have ever been able to offer our readers. We leave Des Moines on August 5, and will then declare a moratorium on care, work and worry until August 26th, our return date.

Yes, we're going to Alaska. But that's not all. We're going to see a lot of other interesting places on our way there and back. On our way to Seattle, where we board the steamer for Alaska, we're going to stop for what has proved to be an exceedingly attractive feature of previous tours—a trip thru the heart of Glacier National Park.

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As in the past, the cost of the trip will include all your expenses, such as railroad and steamship fare, Pullman berth, meals, hotels, sight-seeing trips, baggage transfers and even the tips to waiters, porters, etc.

Tour members will be relieved of all travel details by the tour escorts. Relax and enjoy yourself will be our watchword. The entire trip may be made from Des Moines, for instance, for as little as $268.43 per person, based on two persons occupying a lower Pullman berth. Slightly higher prices for single occupancy of a berth or for more elaborate steamer accommodations. Rates from other points, which may be slightly higher or lower, according to distance, will be gladly quoted on application.

A folder completely describing the tour is now being prepared and will be ready for mailing shortly. Clip the coupon below, fill in your name and address, paste it on a postcard or place it in an envelope and send today for your copy. There's no obligation involved.

Tightening Silo Hoops

Hoops of stave silos should be tightened soon after the silage has been fed out. Otherwise, the staves may get so loose that the first hard wind will twist the silo out of shape or even blow it down.

First, oil every nut with penetrating oil or a mixture of kerosene and used crankcase oil. After this fluid has had time to soak in, try the nuts to see if they are loose, and if there are still threads enough for drawing up tight.

If rusted fast, hold a wedge or ax on one side of the nuts and strike the opposite side with a hammer. After loosening, use plenty of oil and work the nut back and forth until it can be turned easily. If the threads are getting too short to draw up properly, put on washers.

For most effective tightening, one man should draw up on the nuts while another hammers the hoop on the opposite side of the silo. Go over the hoops several times, tightening them a little at a time.

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WORK

By John Turnipseed

IT'S too bad that spring opened so early, says the elevator man to me the other day. It must have interfered a good deal with your winter's rest.

If I had a restful job like you, I says, I wouldn't say nothing. I never knew a farmer yet that wanted to rest when the birds start to sing and the soil gits mellow enough to work.

J. Turnipseed

It ain't us farmers that's bellyachin' for a thirty-hour week, I says. We've got sense enough to know that we can't have anything without workin' for it. The trouble with this country is that too many folks in town want more and more pay for less and less work.

There's allus been too many fellers ridin' in the wagon and too few pushin', and now everyone's climbin' in and then they wonder why the wagon won't go.

The trouble with the country, says the elevator man, is that Roosevelt has led 'em to believe that they don't need to work; the government will take care of 'em.

That ain't what he told 'em, I says. He told 'em that they ought to have more money, so, instead of workin' harder for it, they started takin' it away from someone else, like some of the big shots have been doin'. And you can't blame 'em so much, seein' the example that has been set.

What we've got to do, I says is to git folks to understand that prosperity is just another name for work. But that ain't a popular idea. What congress ought to do is pass a law against work, and then mebbe we'd want to violate it, like we do most laws.

It seems like almost every one in the cities is on a sit-down strike, waitin' for us farmers to bring 'em their breakfast. So I guess I'll go out and sit under a tree and try to figger out an easier way than plowin' to make a livin'.

Grass for Shady Lawn

Experiments carried on at the Ohio experiment station show that Chewing's fescue is one of the grasses best adapted for use under trees. It should be seeded early and liberally, six to eight pounds per 1,000 square feet.

Applying a fertilizer such as 4-12-4 at the rate of ten to fifteen pounds per 1,000 square feet, a few days before seeding or after the grass is up, is advisable. High mowing or even no mowing at all for a year or so promotes root development; hence, more lasting results.

In extreme cases, where no grass can grow, a green covering can be obtained by planting something like myrtle or Japanese spurge.

Pregnant Bang's Reactors

Do cows known to be infected with the Bang's disease organism tend to discharge this organism from the vagina during pregnancy?

Studies made by Dr. C. P. Fitch and other investigators of the Minnesota experiment station, indicate that the organism is not ordinarily found in the vagina of pregnant, Bang-infected cows until very shortly before an abortion or a normal calving. It is after the seal of pregnancy in the uterus is broken that the organism seems to appear.

Before the annual meeting of the American Veterinary Medical Association, at Omaha, Neb., last summer, Doctor Fitch and his aides reported that forty-four examinations were made of the vaginal content of fifty-eight cows reacting to the agglutination test for Bang's disease. The organism was found in only two examinations before the seal of pregnancy had broken.

Examinations of the vaginal discharges from twenty-two infected animals after normal calving or abortion showed that twelve days was the average length of time during which the Bang's disease organism might be eliminated in the discharge. Twenty-five days after calving was the longest period at which the organism was isolated and five days the shortest.

Calves Without Skim-milk

How can a farmer raise calves when he sells whole milk? Unlike the dairyman who sells cream only, he has no skim-milk to feed. Yet it is common opinion that it takes milk to raise good calves.

One possible solution to this problem, suggests the Wisconsin experiment station, is to use a calf meal containing large amounts of dry skim-milk.

Under the Wisconsin plan, the calves are given whole milk for the first month after birth, the amount offered being gradually reduced as the animals are shifted to a calf meal. This mixture is composed of 50 parts dry skim-milk, 25 parts ground corn, 12½ parts bran, 12½ parts linseed meal and one part salt.

After the calves are about 40 days old, the milk is entirely dropped and they are shifted to a cheaper calf meal, containing less dry skim-milk. This mixture is composed of 25 parts dry skim-milk, 37½ parts ground corn, 18¾ parts bran, 18¾ parts linseed meal and one part salt.

After the calves are four months old, they develop satisfactorily without milk on a ration made up of two parts ground corn to one part of bran and one of linseed meal, along with 1 per cent salt.

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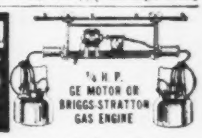

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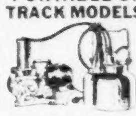

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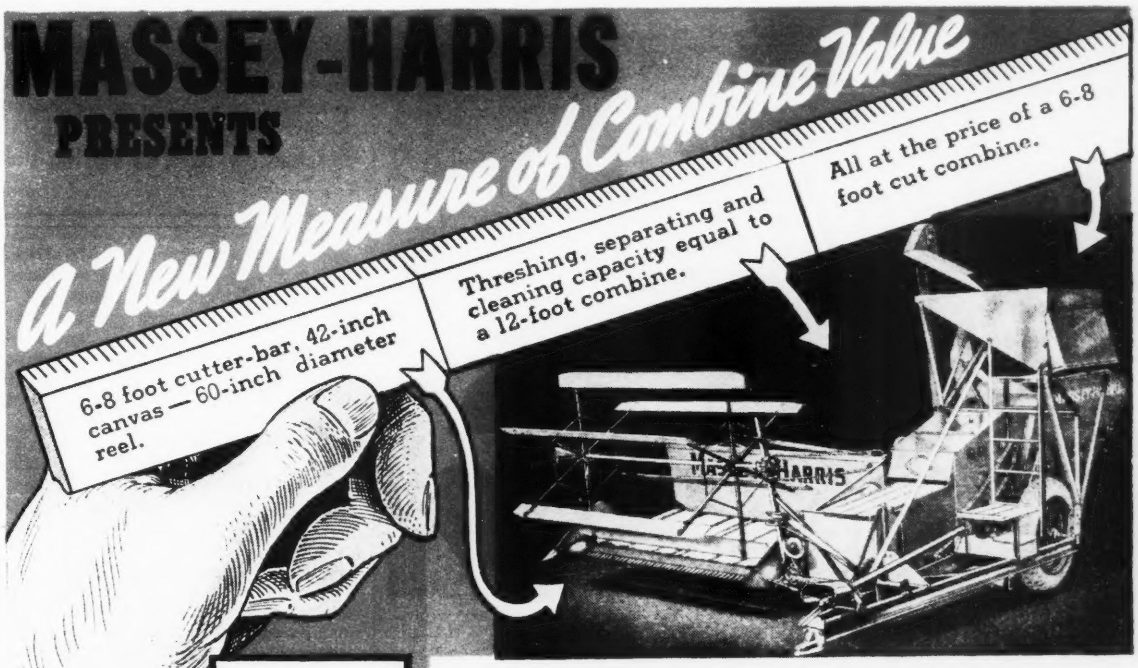
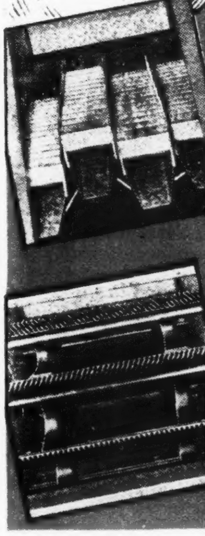


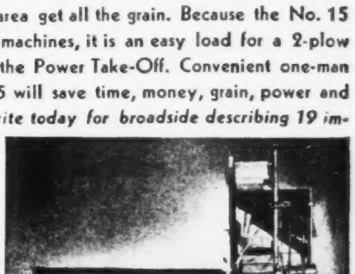


2
OF MANY IMPORTANT FEATURES

Separating capacity of a 12-foot machine.

24½-inch Corrugated bar-type cylinder, pioneered by Massey-Harris. No teeth to loosen or break. Rubs out the grain the natural easy way.

● "Big" combine capacity in a 6-8 foot machine—that's what the Massey-Harris No. 15 Combine offers. The 42-inch-wide canvas and 60-inch reel handle a large volume of straw with ease—make short work of down or tangled crops. Corrugated bar-type cylinder and large separating area get all the grain. Because the No. 15 weighs 500 lbs. less than comparable machines, it is an easy load for a 2-plow tractor with ample power left to operate the Power Take-Off. Convenient one-man control from the tractor seat. The No. 15 will save time, money, grain, power and labor costs—it's worth investigating. *Write today for broadside describing 19 important features, or see your nearest Massey-Harris dealer listed below.*



The No. 15 (shown above), 6-foot cut, is a Power Take-Off combine. The 8-foot cut size is operated from Power Take-Off or motor driven, as you prefer.

The No. 17 (shown at right), is a 10 or 12-foot cut machine, built for the grain belt farmer. Sells at a popular price.

The No. 14 (not shown), is an extra capacity, motor driven combine for the heaviest crops. Available in 12 and 16-foot cuts.

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MANY a farmer is pointing with pride at his 1938 Ford V-8 Truck and telling his neighbor what a wonderful worker it is. He likes the efficient, easy way his new Ford unit does its chores—the economy with which it works.

The 1938 Ford V-8 Trucks have many improvements and refinements which, combined with the time-proved Ford V-8 features, make them even more dependable and economical. Brakes are larger, quicker stopping. Steering is easier because of new worm and roller type steering gear and a new larger steering wheel. Cabs are roomier; cab seats are more comfortable. Even such details as front wheel spindles are larger and stronger.

In addition to the new 134-inch and 157-inch trucks and the new 112-inch units, there is also an entirely new line of 122-inch wheelbase one-ton trucks. Arrange with the nearest Ford dealer for an "on-the-job" test of the 1938 Ford V-8 unit that best suits your needs.

FORD V-8 TRUCKS

Committees Rush Soil Figures

Iowa Farmers Are Being Given Advance Estimates to Help in Planning Crops

WITH as many as 300 farmers pouring in each office per day, to press questions, and with the job at the same time of working out individual acreage allotments at fastest possible speed, county committeemen in charge of the new farm program last week underwent a real workout. In some Iowa offices, for example, one committeeman had to assume the job of answering questions for callers, while the other members rushed the allotment figures. The traffic got so heavy in one county office that the acreage tabulation section had to be partitioned away from the space used for talking with farmer callers. Likewise, at Des Moines, members of the state committee were putting in double overtime, working until midnight for days in a row.

Great Demand for Figures

Every one, of course, has been wanting to know his acreage allotment for corn and total soil depleting crops. In every county office, this remark has been heard repeatedly: "I can't plan a thing until I know what my figures will be under the new program." Tho a few counties had their individual figures ready at the close of last week, the majority still were in the process of computation.

However, as the spring seeding of small grains could no longer wait, farmers were being given some rough estimates as to what their several acreage allotment figures probably would be, eventually. Committeemen compared the 1938 corn acreage allotment for their counties with their limit figures for 1937. Likewise, they compared their 1938 soil depleting allotments for their respective counties with their soil depleting base totals in 1937. It would be found that the 1938 figures were some percentage of 1937. These percentages then would be taken times an individual farmer's 1937 figures, to get his approximate allotments for 1938.

Say, for example, that the total 1938 corn allotment for County A was found to be 85 per cent of its 1937 corn limit, and that the 1938 soil depleting allotment was 83 per cent of its 1937 base. Now comes a farmer who desires a rough estimate to guide him in making his spring seedings. Last year, his corn limit was 70 acres, and his total soil depleting base was 110 acres. In such case, the committeeman for County A would take 85 per cent of 70 acres and 83 per cent of 110 acres, giving him a tentative 1938 corn allotment of 59.5 acres and a total soil depleting allotment of 91.3 acres.

It should be kept in mind, of course, that such tentative figures being given out may not be quite the same as the final figures determined for each individual farmer. There is supposed to be some detailed adjustment between farms on the basis of information gathered last fall, indicating what is the most desirable cropping level for each farm. Tho committeemen realize they probably are borrowing some trouble by giving out rough estimates in advance, such action was almost imperative in view of the cropping season already at hand. On account of the late action on the part of congress, there is now no other course.

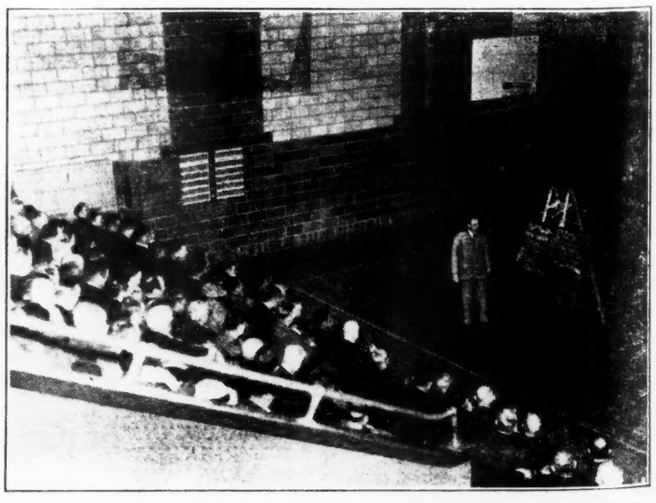
Besides, it is recognized that if the advance estimates are slightly in error, one way or the other, there still will be time for last-minute changes in cropping plans after the individual allotments are out and before corn planting is finished. The Iowa agricultural conservation committee expects most of its counties to be sending the 1938 acreage figures to each farmer by the middle of April. In neighboring states, the work should be completed well before the end of the corn planting period.

Suppose a farmer's final allotment figures are different from his preliminary estimates? Suppose he finds that his official soil depleting allowance is smaller than his early estimate, and he finds himself with an excess acreage of small grain? Or what if he has set aside too large an acreage for corn?

Can Pasture Off Oats

In the case of excess small grain, the participating farmer can easily get into compliance by pasturing off some oats. Any part of the oat crop pastured off so that it does not form grain for harvest will count as non-depleting, whether or not it has been seeded as a nurse crop for legumes or grasses. Small grains other than oats will count as non-depleting only if serving as a nurse crop and if pastured off or otherwise handled so as not to be harvested or matured for grain or hay.

If a farmer finds that he has left more land for corn than his final allotment permits, he may plant the excess to sweet sorghums, sudan grass, millet or soybeans, and still be in compliance so long as that does not raise his soil depleting acreage



Farmers attending educational meeting on new farm program at Rockwell City, Iowa. Fieldman Fred Ludwig was in charge.

total above allotment. Sweet sorghum, sudan grass and millet used for grain, seeds, syrup or silage, are to be counted as soil depleting. They will be classified as non-depleting, however, if cut before maturity of grain or seed. The sorghum silage possibility is of particular interest to livestock raisers. Sudan grass for pasture will be regarded as non-depleting. Soybeans will be classified as soil depleting if harvested or matured as grain or seed; non-depleting if cut for hay.

Some farmers have wondered if sweet corn, as well as sorghums, could be planted for fodder or silage without having it counted in with the corn acreage allotment. Excepting when the sweet corn is contracted for canning or sold for roasting ears, it will be regarded as part of the total acreage in corn in 1938.

A question has come up in regard to the necessity of furnishing a signed statement concerning the origin and purity of the alfalfa and red clover seed sown this spring. It has been ruled that such a statement must be filed with the county committee. Forms for this purpose may be obtained from the committee office. The statement also must show what fields have been seeded to the clover and alfalfa.

As a matter of fact, it is planned to fill out a "planting intentions" sheet for every farm this spring. On this sheet, the local committeeman will list the 1937 acreages of the various crops and the planned acreages of crops for 1938. After this information is obtained, the committeeman will then go over the figures with each farmer to see whether the farm will be in compliance under the 1938 program, and, if so, approximately how much the payments will be. The exact payment rates that apply to soil depleting crops other than corn and wheat have not yet been determined by counties, but will average $1.25 for the state of Iowa. The committeeman also will give assistance in planning any changes in the crops lay-out that might give full compliance and maximum payments.

In Iowa, it is expected that most county committees will send the individual allotment figures thru the mail, then follow up either by farm-to-farm visits or community gatherings, to which farmers may come for a review of their farming plans.

Longer Pasture Season

How Missouri farmers can stretch their pasture season is explained in Circular 186, "An All-Year Pasture System for Missouri," published by the Missouri College of Agriculture, at Columbia.

The Missouri pasture season has been mainly the season of blue grass. Only within the last two or three years has there been fully discovered the abundant pasturage from grain crops grazed thru the fall, winter and spring, to the limit of their carrying capacity. And only within recent years have forage crops been found that could be heavily pastured for long periods within the blue grass season.

These pasturages are principally Korean lespedeza on a very great scale, and sweet clover and Sudan grass each on a minor scale. They can fill the wide and wasteful gap in the pasture supply caused by the seasonal shortage of blue grass in July and August, when stored feeds are running low and plenty of pasturage is necessary to maintain a good flow of milk or to increase the gains of meat animals.

Handy Screw Jacks

If you are in need of a screw jack for straightening the corner of the porch or leveling the garage or poultry house on its foundations, simply take any truck or heavy auto jack with screw lift, set it on a solid base, and it will handle up to two tons of weight very nicely. Keep the threads well oiled and the house well blocked up.

declares G. W. Feddersen, well known farmer of O'Brien County, Iowa, in a timely interview with Standard Oil's Farm Personality Reporter.

A MAN is a mighty good farmer when he makes his land yield sixty-five bushels of corn and sixty bushels of oats per acre, and knowing that Mr. Feddersen was getting that yield from his 240-acre farm near Hartley, we were glad of the opportunity to visit him the other day.

After meeting his wife, Anna, and his five-year-old son, Merlyn, the talk turned to farm operations, and, knowing that Mr. Feddersen had been a user of Standard Oil products for many years, we asked his opinion of Standard Tractor Fuel and the service he receives from his Standard Oil agent.

"First," he said, "as to the service of my Standard Oil agent, it couldn't be better. He sees to it that my fuel barrel is full, and when I'm busy that saves me time and money.

"And second," he continued, "Standard Tractor Fuel gives me power to plow more acres at less cost. I know this to be true because of fuel tests made right here on my farm and from my own experience during the past six years."

Before leaving we took some candid camera pictures of Mr. Feddersen, which are reproduced herewith, and then inspected his herd of 25 Angus cattle of which he is justly proud.

STANDARD TRACTOR FUEL PLOWS MANY ACRES FREE

In many comparative tests made on the farm under varying soil conditions, Standard Tractor Fuel has proved that it will plow more acreage per gallon than any other brand.

Like G. W. Feddersen, other leading farmers in your own state vouch for that fact because it has been proved to their satisfaction that Standard Tractor Fuel delivers more power at lower cost.

Ask your Standard Oil agent to show you the written results of these comparative fuel tests, where the farmer himself was judge and jury during the trial.

"STAN'S" QUESTION BOX

Why does Standard Tractor Fuel deliver more power than kerosene and other distillates?

Kerosene and fuel oils are manufactured as fuels for light and heat. They never were intended for power fuels. Many of them do not possess the volatility and few have the anti-knock qualities needed by a tractor engine. They were used as tractor fuels for years merely because chemists and engineers had not yet produced a special power fuel for tractor use. *Today, however, Standard Tractor Fuel is specially designed as a power fuel to fit the tractor's requirements. More of it is actually converted into power.* Standard Tractor Fuel has more usable "Live Power" because it has proper volatility and higher anti-knock quality features that make it a better fuel for use in all tractor engines.

Be sure to ask about the new time-and-money-saving STANDARD GREASE GUNFILLER!

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This longer-lasting base is covered with an extra heavy coating of pure zinc by Wheeling's exclusive, hot galvanizing process—with zinc iron alloy fused to the wire and pure zinc on the outside. Every roll is backed by a written guarantee of quality *and* service.

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VETERANS

Under a tree just eight years older than himself—on a farm that will be one hundred years old in 1944—sits William Klett, of Keokuk county, Iowa, with his daughter-in-law and his granddaughter. He is holding the old ax with which his father cut the timbers for the first log house.

Mr. Klett's father arrived in Iowa in 1840 and turned the first sod in Keokuk county with a team made up of a horse and a cow. **That must have been a job!**

He Broke the First Sod

Klett Farm, in Keokuk County, Iowa, Will Be One Hundred Years Old in 1944

Here's a report of an Iowa farm that will be one hundred years old in 1944, and that has stayed in the hands of the same family all this time. Miss Louise Harpert, of Keokuk county, Iowa, writes:

MY great-grandfather, Casper Klett, came from Germany in 1830, settled in Philadelphia, and worked in an iron factory. There, in 1833, he was married. In 1834, he and his wife started west, and in 1840 he settled at what was then known as Garibaldi, which consisted of a store, post office, bar room and dance hall. Now there is nothing left of it, the land being farmed.

In 1844, they moved, on account of the creek and fertile land, to what has since been known as the Klett farm, which included approximately 700 acres. The land then was covered with timber and brush.

Since he was the first settler in Keokuk county, Mr. Klett turned up the first sod that year with his first team, which was made up of a cow and a horse. Later he got an ox team. Around his land he had rail fences. He cut and split the logs by hand.

He also made a log house, hewing the logs out with an ax that we still have. (The present owner is shown holding the ax in the picture on this page. Editor.) In 1865, he tore down the log house and built a frame house, which has been used ever since.

Several years later, more rooms were added. This house is not as easy to heat up (especially when it's 20 below) as are the modern homes, but somehow we keep from freezing. There are several other buildings which he built that are still being used.

When he died—thru an accident while making fence—the land was divided among his twelve living children. The youngest, my grandfather, William Klett, Sr., who is now 77 years old, getting the home place of 220 acres. He bought some of the land from the rest. Most of the others built on their land and made their homes. Their descendants are still farming on that same land. The very first corn planting was done by making holes in the ground with sticks and then dropping in the corn. In sowing the small grain, they filled a sack, hung it over their shoulder and scattered it by hand.

There is a very large oak tree just north of the house that grandpa figures is more than 125 years old. Early settlers coming from the east would camp under that tree for several days, or until they could decide where to settle. South of the house we have a large silver leaf tree that is eighty-five years old.

East is the creek, that has never been dry in the history of the farm. West is a large orchard, also a grove of evergreens which my grandparents set out.

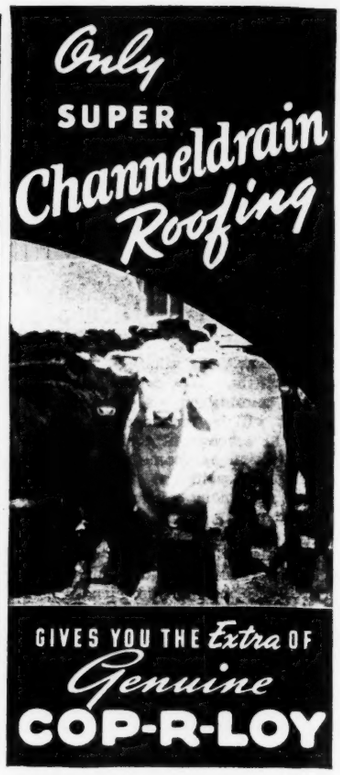
My grandfather still farms, tho from a wheel chair. He has been using it for the past thirteen years. His foot was severely burned in a bonfire, and he hasn't been able to walk except with the aid of crutches. A son, Gustave, is still at home. One son, Henry Klett, who lived nearby, did the farming for a while, and since he moved, another son, Albert, and a neighbor have been farming the land.

Plowing Raw Soil

A great many farmers have purchased and are purchasing tractors for the express purpose of plowing their soil deeper than they have been able to plow it with horses. This is one very good reason for owning a tractor. When soil is dry and tough, the average farmer, in his hurry to get his plowing done, will naturally plow shallower than he should in order to turn over the greatest possible acreage in a day. Then, too, in very warm weather, deep plowing, especially in a field that has not been plowed deep before, is slavish work on horses.

This deep plowing may eventually mean some increase in soil tilth and crop yields. Many tractor owners have learned that it is not a good idea to do the deepening all at once. Yet some farmers who have been in the habit of plowing four to five inches deep with a team, immediately drop the plow depth to seven or eight inches, upon using a tractor. Such a change means that three to four inches of raw soil will be turned up for the first time, and will have to be worked into the surface seed-bed. Practically every one who has done this has realized his mistake after one trial.

A neighbor who thus deepened his plowing during the fall of 1936 and put his land into wheat told me that his wheat was not showing up as well as other wheat on adjoining fields, that were plowed shallower. He was inclined at first to take this as a proof that deep plowing was a failure. Actually, the deepening of the plow layer too much at one operation was largely to blame. Those who are using tractors for the first time will do well to remember that an inch or two of raw soil is enough to turn up at once.—E. R. G.



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Then you get the exclusive features of design and form, the practical working, lap-and-weather-tight, easy-to-put-on Super Channeldrain Roofing, made of long-life COP-R-LOY, the time tested metal. Then, also you get the *extra heavy coating* of pure zinc applied by Wheeling's proved galvanizing methods, a coating fused to the COP-R-LOY base.

Super Channeldrain is a patented roofing with a deep emergency drain channel . . . "when it rains, it drains"—and it has Wheeling's improved end lap with tight edge. Ridges are specially designed for easy nailing and to prevent nail entering channel to cause leaks. Fire-proof, lightning-proof, weather-proof . . . here's your roof for today and the years ahead. Accept no substitute.

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Greater Market

★ Here in the United States we have a vast unexplored market for American meat products. It is closed to us because we have not been able to lower our prices to a sound economic level.

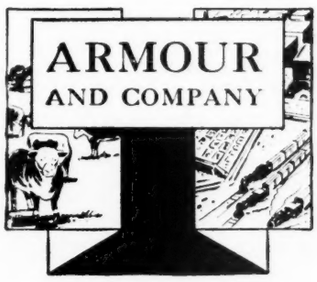
The key to this market lies in the hands of the American producer. The original cost of production of every animal must be drastically reduced before retail prices can be lowered to meet the budget of every housewife. The stock raiser must find a way to do this through new methods of feeding and sanitation... through preventing the prevailing high mortality rate among his animals... through exercising extreme care in selective breeding. If stockmen can reduce their cost of raising the animal, American meat products can not only be placed in every American home, but a great export market can be rebuilt.

Armour and Company has already begun an extensive program of cost reduction, but this is a program which demands the cooperation of every producer and every packer in the nation. Only when this cooperation is sincerely rendered shall we be able to open up the remainder of the great American market and regain the export market which we have lost. When this has been done, the stockman will find a broader demand for his animals and greater profits.

Increased production at lower cost and with greater profit is the crying need of the day.

Robert H. Cabell
President

ARMOUR AND COMPANY



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400 ROOMS WITH BATH FROM $2.50

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Easier on the Cows

Send for FREE BOOKLET on New Hinman Standard Milker. It's faster—milks more cows per hour. Less strippings. Low vacuum. Best ever produced in our 30 years' experience. 150,000 Hinmans sold.

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Plowing Along Fences

In starting the plow, farmers often drive around the field first, throwing the furrows to the fence. After ten years, or even five, the fences may be located on a level of twenty-four to thirty inches lower than the field edge strip, which has been built up by continually plowing toward the fence.

To the casual observer, there would seem to be no valid reason for being particular on this score, yet appearance does count. The farmer who tolerates such plowing may also tolerate other careless methods. Then, another thing to consider is the problem of the "jumping off" place in case the old fence has to be torn down or relocated. The ridges along the old fence line may have to be "bladed" down with a road grader.

It is preferable to plow in strips, turning the furrows away from the fence at least part of the time. Take a field with a rather steep upper side, for example. Turn the furrow out along such a side and in on the other sides that are lower. On the next plowing, turn the furrows out all around the field. By thus alternating, one can keep his fields in good appearance. They will be easier to drive along and to turn against when working the ground.

Poisoning Gophers

Farmers generally regard a pocket gopher mound as a positive nuisance, particularly in a meadow. Not all farmers are uniformly successful, however, in exterminating gophers.

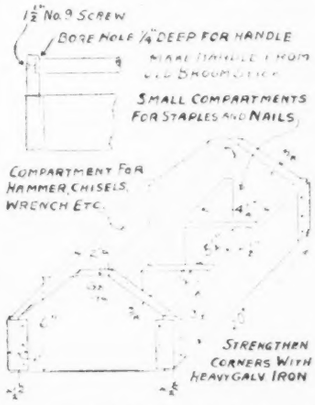
On the basis of eighteen years of experience with the pests, I now use a commercial preparation made especially for gophers and obtainable at nearly all drug stores. This preparation comes in pellets about the size of a grain of corn.

In distributing the poison, first locate the underground runway below the freshest mound by probing with a wagon endgate rod, a cane or broomstick. When the runway has been located, drop in two pellets and leave the hole open. Leaving the hole open is contrary to instructions on the container, but my experience leads me to believe that the process of filling up the hole often results in enough earth dropping thru to cover the pellets.

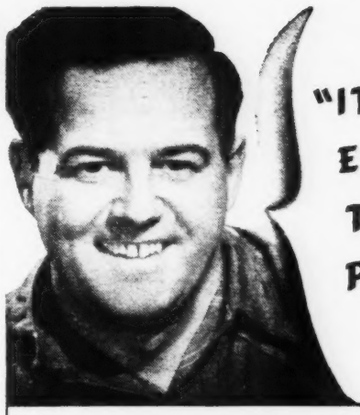
Make a practice of dropping pellets into two different places along each string of mounds. If you feed the gopher in two places, your chances of success are about nine out of ten.—J. J. N.

Tool and Nail Box

Here is a handy tool and nail box for convenience in fixing fence, repairing farm buildings, making field repairs for farm machinery, and for



other repair jobs. The tool compartment is large enough for hammers, wrecking bar, several wrenches, bolts, files, hacksaw, brace and bits, and even a wood saw, by letting the end project. The number and length of the small compartments may be varied to suit the repair man's need. Some prefer to omit the broomstick handle and use a heavier middle board, bringing it up higher and cutting a rounded slot for a handle.



"IT'S MUCH EASIER NOW TO PAINT WITH PURE WHITE LEAD!"

JIM LEARNS ABOUT EAGLE D-X WHITE LEAD

JIM: Is that white lead you're using?

HARRY: You bet your life it is. It's Eagle D-X — the easiest paint to work with I've ever seen!

HARRY: It's sure simple to mix — just add a gallon of linseed oil to a gallon of Eagle D-X. You're ready to paint in a minute!

HARRY: Eagle D-X white lead comes in quarts and half gallons, too. You can use it on all jobs — big or little. And here's a tip from an old-timer . . .

HARRY: You'll find that Eagle D-X costs less to paint with than "bargain paint." It's pure white lead — outwears most ordinary paints by two or three years!

EAGLE D-X

for pure WHITE LEAD PAINT (in "gallon-for-gallon" form)

Here's why Eagle D-X saves you money

1. It is one of the lowest priced paints you can buy.
2. Wears longer because white lead anchors deep in the surface — doesn't crack or scale.
3. Gives smooth even surface which wears slowly — an ideal base for repainting.
4. Hides better — does not show rust spots — tints to any color.

● Now you can buy pure white lead — longest-wearing paint known — in easy-to-mix, easy-to-use form!

Eagle D-X is a soft, fine white lead that comes in quarts, half-gallons, gallons and 5-gallon kits.

Simply pour equal parts of Eagle D-X and linseed oil together, mix for a minute or so — and start painting.

With Eagle D-X you get added beauty and weather protection that outlasts many paint jobs by two or three years.

This spring, save money, save time by using Eagle D-X Pure White Lead.

THE EAGLE-PICHER LEAD COMPANY • Cincinnati, Ohio

SOLD AT LUMBER YARDS WHEREVER YOU SEE THIS SIGN

5 shots . . .
50 yards

Enjoy the Finer-Shooting New WINCHESTER LEADER STAYNLESS .22s

GET out your rifle. Load it with the NEW Winchester Leader Staynless .22 rim fire smokeless cartridges. Give yourself this thrilling new experience in shooting. Enjoy *your* success—and *your* satisfaction over getting . . . *at no increase* in cost over standard prices for .22 rim fire smokeless cartridges . . . actually finer accuracy than was possible only a short while back with the best special target shooting ammunition!

New FLATTER shooting that cuts down guesswork sighting—less need for holding over your mark at longer ranges.

New FINER accuracy, more shooting satisfaction—drills shot after shot right through the bull's-eye.

Back of the amazing accuracy of Leader .22s . . . the crowning achievement, in their class, of Winchester's 70 years of world leadership in manufacturing rifle ammunition . . . are important new Winchester advantages. Of these, three are indicated on the enlarged .22 Long Rifle cartridge illustrated.

BESIDES IMPROVED SHOOTING

The finely balanced solid lead bullet, with new profile, is *lubricated*—insures least barrel wear. The priming—newest development in the dependable Winchester Staynless and completely *non-corrosive*—prevents rust and saves cleaning. And the new stronger *brass* case insures freedom of extraction and ejection.

.22 Long Rifle
Shorts—Longs

Ask your Dealer for them TODAY. Folder FREE. Please address:

WINCHESTER REPEATING ARMS CO.
DEPT. 96-F, NEW HAVEN, CONN., U. S. A.

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WRITE TODAY FOR New BOOK On HARVESTING

NOW! Make your harvesting plans with the **latest facts** before you. Send a post card for this authoritative NEW book "*For a Profitable Harvest*" **sent free!** Gives facts on latest methods for harvesting all grain and seeds. Opens the way to immediate savings in money and labor. A storehouse of information on harvesting that every farmer should have. Write today.

WOOD BROS. Individual THRESHER

Leaders in threshing and harvesting machinery since 1886. WOOD BROS. INDIVIDUAL Threshers are easier running, save and clean the grain better. They operate on a minimum of power because of their **simplicity**—rotary motion throughout. Timken Roller Bearings at all important joints.

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STRAIGHT LINE — FULL WIDTH DESIGN

5 Ft. CUT — 5 Ft. CYLINDER — 5 Ft. SEPARATION

It's the practical combine for **every harvesting** job. Enormous capacity. Economical. Easy to operate. Saves your grain the "Wood Bros. Way." Ask for booklet on Wood Bros. Threshers, Individual Harvesters and the New Single Row Corn Picker.

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SINGLE ROW CORN PICKER
NEW SINGLE ROW EFFICIENCY SAVES TIME and MONEY

WOOD BROS. THRESHER CO.

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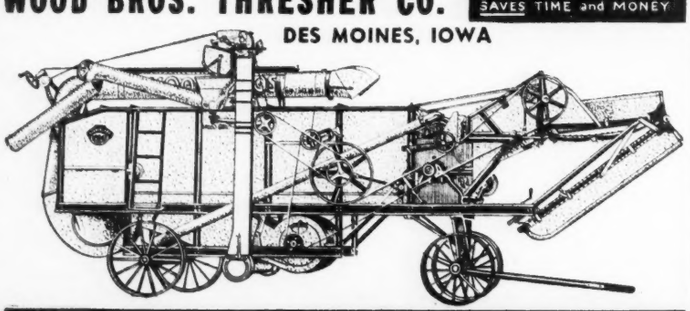


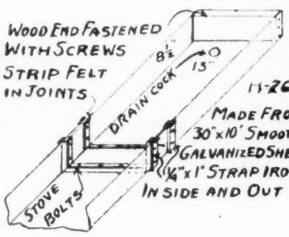
21 × 36 — 26 × 46 — 28 × 46 — 30 × 50

Handy Creosoting Trough

Farmers often want to creosote timbers for barn sills, hay racks, ladders, gates, hay stackers, etc. If these are cut to size and the holes bored, given a good treatment with hot creosote, and brush coated every season, they should last a lifetime.

A cheap but effective trough for doing such creosoting can be made from two 30-inch by 10-foot smooth galvanized sheets (See diagram.) Mark lines 8½ inches from each edge on both sheets and have the tinner bend a right angle at each line, so as to make two troughs 13 inches wide and 8½ inches deep. You can bend them yourself by clamping them between two 2x6's a little more than 10 feet long, bolted together near the ends.

Slip the two troughs together so as to lap about a foot, put strips of light felt or asbestos paper between and make the joints tight with heavy metal strips inside and out, drawn together with heavy stove bolts.



Two of these joints will stiffen the trough and be less likely to work loose. The ends can be closed by boards edged with asbestos strips and fastened with screws.

The trough should be set on concrete or stone supports, so that one end is about one-half inch lower than the other, with a spigot welded or soldered under the low end, to drain out the creosote. A movable board dam should be provided so it can be set across and use only the lower end for short pieces.

The creosote can be heated by using a gasoline burner or camping stove under the lower end of the trough. Very satisfactory results will be secured with a three-hour hot and cold treatment, with a mixture of half creosote and half water gas residue, which can be purchased cheaply at almost any city gas plant.

Fight Grasshoppers

County mixing stations for grasshopper poison will be set up again in the corn belt this year. Bran, sawdust, water and sodium arsenite will be mixed for farmers at a nominal service charge.

The federal government will again furnish the ingredients. Half a million dollars was left over from 1937 and two millions more are available for the campaign this spring.

Grasshoppers will begin hatching any time from late April to June, depending on the weather. Unfavorable weather in April may yet destroy some of the eggs, and hot, muggy weather or pounding rains after hatching may also help to get rid of some of the pests. But poison will still be required, even if the weather is unfavorable to the 'hoppers.

Hog Rubbing Post

A rubbing post will help to keep hogs healthy and free from lice.

Take the goose-neck or U-frame from an old binder and set it in the ground so that the top of the curve is about two feet above the ground. Tamp lightly with gravel. To equip the pipe for rubbing, wrap it tightly with old rope. In beginning to wrap, tie the rope tightly and throw two or three half-hitches. At the finish, fasten the rope with two or three half-hitches and clamp the free end with wire. The curved pipe enables hogs of different sizes to rub their backs.

Saturate the rope wrapping with crude oil or used crankcase oil. Add more oil from time to time.

PLANT YOUR CORN, JUST AS YOU WANT IT PLANTED—

In check-rowing corn there are just three things you want a corn planter to do: measure the corn accurately, check-row it accurately, and plant it correctly.

The Oliver Superior Corn Planter does each one of these jobs right.

The Oliver Superior variable drop device plants 2, 3, or 4 kernels per hill, as you choose. A wide-faced clutch gives more positive action and greatly increased wearing surface. The triple pinion and hopper gear ring of file-hard metal will not wear to cause skipping or sluggish action.

The Oliver Superior check head is also improved. It has 6 rollers instead of the usual 4. The wire is guided through the check forks with a minimum of friction so that the "check" is fast and accurate.

Then the simplified 2-valve construction of the post assures positive drop—there are fewer parts to get out of order—once the check wire trips, the fork action is accurate and positive to assure perfect check. The result is that fields check-rowed with an Oliver are as perfect as one of grandmother's green tufted comforters . . . easy to cross cultivate.

The Oliver Superior 9-D Planter is supplied with runner, single-disc or double-disc openers, flat-drop or edge-drop plates, and will check-row accurately, drill evenly or hill drop (with special attachment, to plant hills from 28 to 76 inches apart). Special plates available for Hybrid seed corn. Either center or side reel can be furnished. Fertilizer and pea and bean attachments are available.

Ask your Oliver dealer to show you the 9-D 2-Row Check-Row Horse-Drawn Planter, a 2- or 4-Row Check-Row Mounted Planter for an Oliver Row Crop Tractor, or any other Oliver planter that meets your needs—or send the coupon below to your nearest Oliver Branch.

OLIVER
FARM EQUIPMENT SALES COMPANY

See your Oliver Dealer or check and mail the coupon to OLIVER, 4402 N. 20th Street, Omaha, Nebr., 331-41 S. W. 6th Street, Des Moines, Ia., Charles City, Ia.

Name .....

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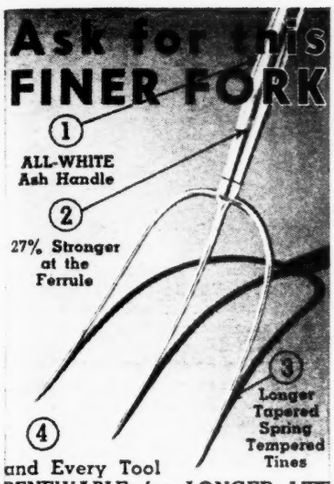
☐ 9-D Planter ☐ Row Crop "70" Tractor
☐ Tractor Mounted Planter ☐ Thresher
☐ Cultivator ☐ Grain Master Combine



and Every Tool
RENEWABLE for LONGER LIFE

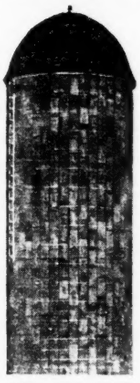
Ask your dealer to show you one of these newest UNION farm forks. They're lighter, better balanced, easier to work with, and now you can replace any accidentally broken handle with a Right Repair Handle *guaranteed* to give the repaired tool the exact hang, balance and feel of your original tool. (See below.) Get 2 TO 4 TIMES MORE SERVICE for the same money. If dealer can't supply you, send us his name.

All Tools Stamped Like This,

All Repair Handles Like This!

THE UNION FORK & HOE CO.
COLUMBUS, OHIO

ACTUALLY THE
BEST SILO
ON EARTH
KOROK
TILE STAVE



KOROK TILE STAVE

The only mineral wall silo without concrete joints. Built of staves—not blocks—so hard they cut glass; bound with rust resistant steel; joints sealed with everlasting asphalt mastic. Hollow tile gives splendid insulation. The best looking silo ever built. Will stand 50 years and more. Proved best by test on hundreds of farms.

Send for free book describing the Korok, the famous 100% Redwood frost proof TRIPLE WALL, the long lived Tapestry Tile, the Redwood Stave and the sturdy, inexpensive Utility—all built by engineers to precision standards. Pay-Its-Way Plan helps you buy with little cash.

The only Guaranteed Silos in the United States.

INDEPENDENT SILO CO.
333 Pillsbury Ave. ST. PAUL, MINN.

SOLD BY ALL GOOD DEALERS
WRITE FOR CATALOG P
A. J. TOWER CO., BOSTON, MASS.

HAY CHOPPING

● With a BEAR CAT get the job done as fast as ten men can pitch; three to six ton per hour; feeder is 74 in. long, 42 in. wide with 26-inch cutter. Absolutely feeds itself and lives in barn and no money business about it! Also, wonderful Hammer Grinder and Ensilage Cutter and has real capacity with 15/30 Farm Tractor. Write for catalog.

WESTERN LAND ROLLER CO.
BOX 91, HASTINGS, NEBR.

Classified Ads Offer an Endless Selection

Farm News Briefs

Items of Present Special Interest

TENANT for fifty years on the same farm is the record of J. P. Jensen, of Shelby county, Iowa. Has any other Iowa tenant stayed on the same farm that long?

▲ ▲ ▲

JOHN VESECKY, president of the National Farmers Union, says of the new AAA: "Whether we were for the bill or not before its passage, it is now the law of the land, and it is our duty as citizens to make it operate as well as possible."

▲ ▲ ▲

FARM INCOME in February totaled $487,000,000, as compared with $557,000,000 in February of 1937. Dairy product sales were ahead of last February, but other products were below last year.

▲ ▲ ▲

CLARKE COUNTY, Iowa, board of supervisors has signed a contract for 1,000 tons of agricultural limestone. This is to be sold to farmers at $1 per ton, plus 4 cents per ton mile delivery charge.

▲ ▲ ▲

OLEOMARGARINE for table use in veterans hospitals was barred by the house of representatives recently. The vote was 289 to 15.

▲ ▲ ▲

M. T. WHITE, veteran field man of Wallaces' Farmer and Iowa Homestead, was the guest of honor, March 24, at a banquet of livestock breeders at Council Bluffs, which celebrated his forty years of work with the pure-bred industry. Governor Kraschel, of Iowa, was the principal speaker.

▲ ▲ ▲

CERRO GORDO county, Iowa, Farm Bureau members, at a meeting attended by 130, resolved not to pay dues to state federation. The split between the federation and the group of counties led by Cerro Gordo is over support by the federation of commercial activities which might conflict with local farmer cooperatives.

▲ ▲ ▲

EXCISE TAX on pork, designed to raise tariffs on pork imports by 6 cents a pound, was dropped from tax bill by senate committee last week. Senators claimed that levy would handicap negotiations of the state department for reciprocal trade agreement with Great Britain.

▲ ▲ ▲

CORN LOANS in Iowa covered 26,314,338 bushels of sealed corn the last of March. Webster county led with 1,225,582 bushels under seal. Southern Iowa counties, where almost no corn had been stored in earlier years, showed good totals. Ringgold county, on the Missouri line, had 128,908 bushels sealed.

▲ ▲ ▲

FREIGHT RATES are being raised on what farmers buy and what they sell. The roads asked for a flat 15 per cent raise, got a 5 per cent raise on agricultural products and building materials, no raise at all on soft coal, and a 10 per cent raise on most industrial goods.

▲ ▲ ▲

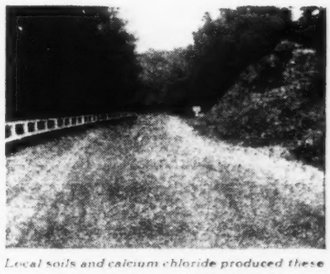
COOPERATION is being extended even to sickness and death. In Minnesota, the Hennepin County Farm Bureau has organized a cooperative hospital service. For a personal fee of 75 cents a month, or a family fee of $1, hospital service is guaranteed up to twenty-one days the first year, twenty-four the second and twenty-seven the third. In Arkansas, the Farmers Union Funeral Association, with 50,000 members, undertakes to see that they will be properly laid away on a cooperative basis when the time comes. Iowa, too, has a number of cooperative burial associations.

TWO HUNDRED members of the North Iowa Agricultural Experiment Association elected J. M. Sprole, of Garner, as a director to succeed M. T. Love, who died during the last year, and re-elected the other eight directors at the annual meeting of the association at Kanawha. The Association is owned by 500 farmers in north-central Iowa, who cooperate with Iowa State College in conducting research work in that territory.

CONSTIPATION RELIEVED
without upsetting DIGESTION

IT'S bad enough to be constipated, without getting your stomach out of kilter, too! Avoid trouble by choosing FEEN-A-MINT, the delicious chewing gum laxative. It's not a heavy, bulky dose—has nothing to further burden a finicky digestion. Moreover, chewing FEEN-A-MINT increases the flow of natural alkaline mouth fluids that *help* digestion. The tasteless laxative ingredient passes through the stomach without effect and does its work in the intestine where it should. No wonder you and your family will find FEEN-A-MINT wonderfully gentle, dependable, and thorough. Try it and see for yourself! At all druggists, or write for generous FREE trial package. Dept. 318 FEEN-A-MINT, Newark, N. J.

CHANGE THESE BOTTOMLESS SINKHOLES TO SMOOTH, DUSTLESS ALL-YEAR ROADS



Local soils and calcium chloride produced these all-weather roads in Illinois, Iowa and Massachusetts.

Full data on how to build and maintain these local low-cost farm-to-market roads sent on request.

CALCIUM CHLORIDE ASSOCIATION
4145 PENOBSCOT BLDG. DETROIT, MICH.

Lack of road stability in spring is largely the result of improper proportioning of the amounts of gravel or other aggregates with fine material and binder soils. Road failures often come from lack of the semi-permanent binder necessary to hold road materials together.

Soil studies by national and local governments have proved that properly mixed soils, compacted and bound with a calcium chloride moisture film, do hold together in the spring, and stay dustless in summer.

You can build roads of local soils and calcium chloride that give you good service all year round at a cost you can afford—only a fraction of the cost generally believed necessary to build a really good road.

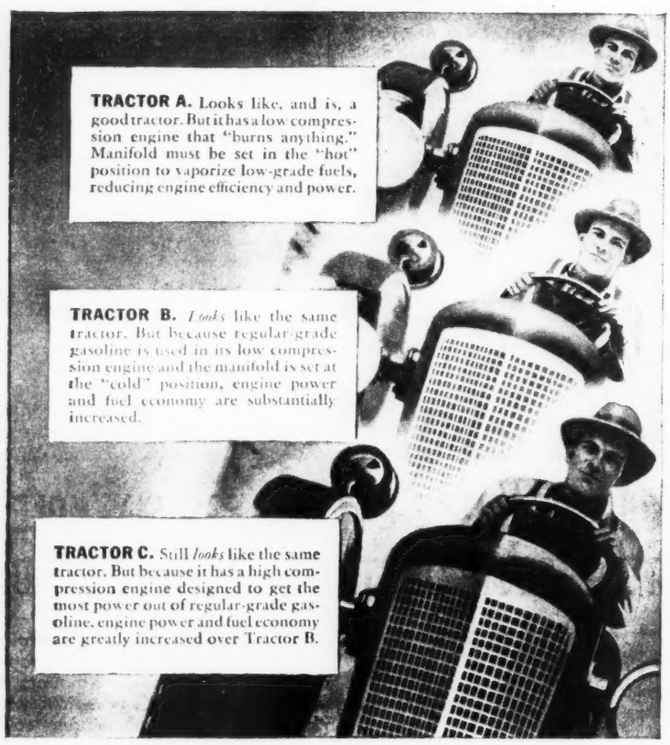
The necessary soil ingredients are available in most communities. The aggregates, stone, gravel or slag, and the sand, silts and clays can usually be found nearby. The secret of success lies in putting these materials together with proper amounts of calcium chloride to maintain moisture binding efficiency.

Roads built with properly combined local soils not only leave the labor cost money right at home, but practically all the money for materials stays at home too. So, such roads fit perfectly into national, state and local farm aid and rural relief projects. They should be given first consideration in farm club and other local road plan meetings, because they provide the greatest permanent value locally at a very moderate cost.

CALCIUM CHLORIDE
FOR STABILIZING ROAD SURFACES

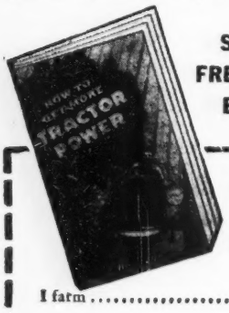
TRIPLETS IN APPEARANCE BUT

3 grades of performance in the field



YOU can't tell by *looking* at a tractor in the dealer's showroom how well it will perform on your farm. You can't tell how many bottoms or implements it will pull, in what gear it will pull them, how quickly it will do your job, or how much fuel it will use.

One way to be sure of top performance and economy is to make sure that the tractor has a high compression engine, designed to get the most power out of regular-grade gasoline. Remember, too, that you can get extra power and economy from your present tractor by changing it to high compression with "altitude" pistons or a high compression cylinder head.



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GENTLEMEN: Please mail me your FREE BOOKLET, "How to Get More Tractor Power."

I farm ..... acres and use a ..... tractor.

Name ..... R.F.D. .....

Town ..... County ..... State .....

IT PAYS TO BUY GOOD GASOLINE FOR CARS, TRUCKS AND TRACTORS

Wanted to Buy

A lot of folks want to buy what you have to sell. It is **only a matter of telling them about it.** Wallaces' Farmer and Iowa Homestead classified ads bring **BIG** results at a **LOW** cost. More than 260,000 subscribers every issue. Read by over 92 per cent of all the farm families in Iowa.

Check Contagious Abortion

Conference at St. Paul Discusses Ways Of Dealing With Bang's Disease

BANG'S disease, that curse of the livestock industry that causes cattle owners to lie awake nights, was the subject of the two-day conference in St. Paul on March 28 and 29. This conference was called jointly by the Wisconsin and Minnesota livestock breeders associations, in order to clear up, if possible, misinformation and confusion in the minds of farmers and livestock men, and also, if possible, to bring about more uniform methods of control and eradication, as practiced in the several states.

The disease is most commonly known as contagious abortion, but it is becoming generally known as Bang's disease, named after the scientist who first discovered and isolated the organism that causes the disease. Bang's disease is the better name, because the act of premature birth of a calf is merely one of the symptoms of the disease. An infected cow may lose but one calf, and thereafter for her lifetime deliver normal calves. It has been found, however, that such a cow is dangerous (tho not necessarily always) as a spreader of the disease.

> **INFECTED**
>
> **Herds that are not troubled with many premature losses of calves may still be infected with Bang's disease. Sterility, udder troubles, white scours of calves and calf pneumonia are also connected with the disease. Bang's disease is more than "contagious abortion."**

More Than Abortion

It was pointed out by various speakers at the conference that many cattle owners are misled by the fact that even tho they have infected herds, they are not troubled with many premature losses of calves, but almost invariably in such herds such difficulties as sterility, udder troubles, white scours of calves and calf pneumonia are encountered, all of which apparently are directly related to the Bang's disease infection. Herds in which such troubles are encountered are seldom profitable.

Another vexatious problem, it was pointed out, is that encountered by cattle owners who have tested and eliminated reactors until the herd was clean and has gone thru several clean tests. The problem is that of mysterious reinfection, which is the cause of another flare-up. These reinfections may be caused by adding new cattle to the herd by purchase, or may be brought upon the farm by dogs, birds, purchased feed soiled by infected animals, or contact across the fence with neighboring infected cattle. A very common method of spread is by dogs dragging around afterbirths from infected cattle. It is for this reason that the thought of a general community clean-up is commencing to take form.

Methods of Control

Various methods of dealing with Bang's disease are commonly practiced. A blood test has been developed that has demonstrated a high percentage of reliability. One of the control methods employed is complete segregation of animals that have reacted to the test. Calves from such infected cows are brought back into the clean herd if and when they fail to show a reaction. Complete segregation is difficult to maintain.

Another method of control is that of test and slaughter; that is, animals reacting to the blood test are immediately removed from the herd and slaughtered. Unquestionably this is the quickest and most effective method of eradication, but it has the disadvantage of being very expensive in badly infected herds. It is significant that various cattle owners speaking at the conference, who had gone thru a Bang's siege, expressed a strong preference for this method. A third method is immunization by vaccination.

Favor Vaccination

Great interest was expressed in vaccination as a means of controlling the disease. Vaccination has been practiced for a number of years, it was pointed out, but with a virulent living organism that has done more harm than good. True, animals have been immunized to the act of abortion by vaccination and have been enabled to deliver normal calves in normal time, but such animals frequently are spreaders of the disease. More recently, the United States Department of Agriculture has developed a vaccine employing a living organism of low virulence, which means an organism that does not cause rapid spread of the disease in acute form. This type of vaccination has been confined to calves or to young unbred animals. A high percentage of animals so vaccinated apparently have become immune and do not react to the test. However, it is significant that all of them do not become immune, and of those that do deliver normal calves, many continue to react to the test and are spreaders of the disease.

Experiments Needed

A few of the veterinary scientists at the conference seem to feel that vaccination is the way out. Others feel that it is still in the experimental stage. The representatives of the United States Bureau of Animal Industry, who were present and who outlined the bureau's work with vaccination, say that the time has not yet arrived when it can be said that vaccination is or is not a safe and sure method to use.

Of the states represented at the conference, area control is either being practiced or the necessary legislation has been obtained. In Wisconsin, Ohio and Michigan, Wisconsin has been the leader in area control. A law passed by the 1937 legislature and becoming effective June 1, 1937, provided for such control in Wisconsin. Already, it was reported, nine counties have signed up for area control. This law provides that such measures can not be taken in any county until 75 per cent of the livestock owners petition for it. The work is now in progress in three such counties. In all of the states where area control under law is practiced, provision is or will be made for payment of indemnities to cattle owners for the slaughter of reacting animals.

> **FULL REPORT**
>
> **A report of the Bang's disease conference at St. Paul, March 28-29, is being printed in book form. Both speeches and informal discussion (covered by a shorthand reporter) are included. The full report is a textbook on the latest information on the disease. A copy may be secured for $1, thru Wallaces' Farmer and Iowa Homestead.**

Raising Pigs on Clean Ground

It's a Problem to Get Feed and Water to Pigs Away from the Barnyard on Clean Pasture

IN CONNECTION with the clean ground system for raising pigs, there usually is the problem of providing water and feed. As a general thing, the lots where the pigs are being raised are at some distance from the main feed yards. Sometimes an uncontaminated stream runs thru the hog pasture, or a drain tile empties within it, but usually this is not the case.

Ordinarily, the water has to be piped in or hauled. If the hog pasture happens to be at the lower end of a gradual slope, away from the main barnyard, some second-hand pipe and a little spade work will establish running water. If the field is at a considerable distance from the barn, however, this may not be practical, because of the expense of the pipe. The answer then is to haul water to the pasture.

Hauling Water to Pigs

If there are only a few litters—say five to eight—in the field, one can get along by filling some old milk cans and transporting them in the luggage carrier on the back of the auto or in a two-wheeled trailer. If a trailer is available, it will serve to haul a barrelful.

If there are very many litters, it will be necessary to rig up a portable tank, installed, for example, on a four-wheeled trailer. Such a trailer will carry enough water to last a big bunch of hogs thru a full day unless the weather is hot. While I have never calculated the amount of water that is necessary for hogs under various weather conditions, I do know that for one bunch of hogs a single barrel of water sufficed in cool weather; two barrels in medium warm weather, and three barrels in hot weather.

Plenty Without Waste

There should be an automatic watering device in connection with the set-up, so that the pigs may get water at any time during the day. At the same time, it should not be possible to waste much water. I have found it most satisfactory to put the water supply on some sort of a temporary floor, with the lowest ground immediately under the floor. Thus, water splashed out can flow out of reach of the hogs; in that way, a mudhole is not so apt to get started.

The amount of money that is to be spent on a system for supplying water to the hogs should be determined partly in view of the number of seasons that it will be needed and on the average number of litters that are planned. A permanent program of raising ten to thirty litters per year, for example, will justify different planning than an indefinite program of raising three to five litters for a year or so only. In any case, tho, it should be kept in mind that it is impossible to grow a normal, healthy, rapid gaining pig without plenty of water.

The second clean ground problem—that of providing feed—really is fairly simple. The grain, as needed, may be transported in some old feed wagon. The supplement for the self-feeder also may be hauled out from time to time, as needed.

The third problem—of providing shade—requires some attention and planning. Very few locations have natural shade available. Farrowing houses will serve only for the early part of the season. For a limited number of growing hogs, one of the most practical shade devices is an old hay rack with straw or trash scattered over the floor to break the rays of the sun. If a hay rack is not available, a few posts, some 2x4's and woven wire for a ceiling can be put together to support a similar canopy of straw or other material. Some of the wire should be laid over the shading material, as well as placed under it; otherwise, wind may wreck the setup. As for height, I favor shade just high enough so that the biggest hogs can not scratch their backs.

In selecting a spot on which to feed and water the pigs, beware of bad drainage. If there is any relatively high ground in the pasture field, choose that for the feeding ground.—J. J. N., Polk County, Iowa.

(Copr. 1938, King Features Syndicate, Inc.)

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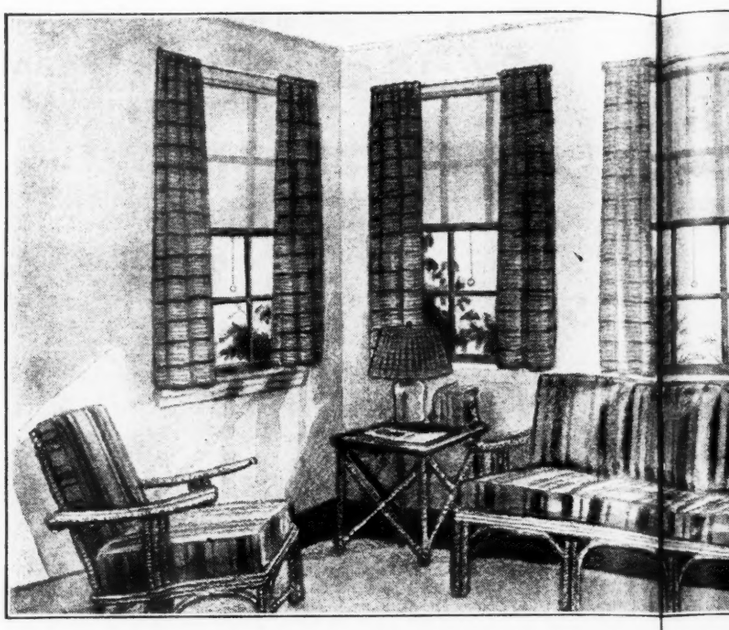
Homemaking



New Curtains Work

Make of the Room a Place of Delight With Careful for the Window Trimmings

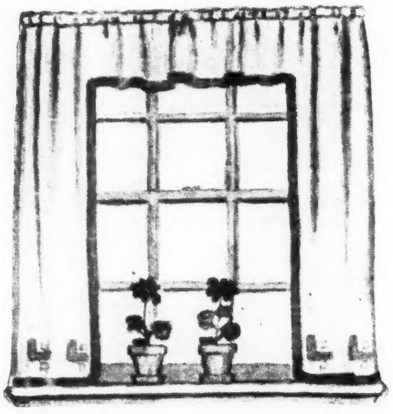
NEW curtains at your windows this spring can work magic in any room—if they are the right curtains. And, with the variety there is to choose from this season, magic working should be easy.

Curtains have two purposes. They shut out the glare of the sun and they add color and form to room decoration. Since light comes from the windows, attention is naturally drawn to them, but they should never be thought of as separate items or as something in detail without relation to the general scheme and color of the room. Therefore, you should study your rooms well before you set out to buy new curtains.

There is such a variety of kinds of curtains and draperies available which are suitable to the needs of each room, that you will be able to make selections easily. And the good news is that so many are so reasonably priced. The salespeople in curtain and drapery departments can help you a great deal if you tell them about your windows, whether they are narrow single ones or wide short ones, etc., and their relationship to the rest of the room.

Let's consider some of the possibles for your living-room. Lace panels are being used extensively now. The newest ones are sheer and airy in effect. Some of these allover laces are without border patterns; others have borders.

Marquisettes are always good. They may be had in celanese fabrics, in cotton, rayon and cotton and all rayon. Rayon and cotton nets make attractive curtains and are inexpensive. Cable marquisettes are new. They are woven of sturdy, two-ply yarns (two threads twisted as one) for extra strength, double combed cotton for clearness and mercerized for rich luster.



Hand-cut bias bands are used to trim these attractive kitchen curtains. The bands are of contrasting material.

New and Attractive

Knitted rayon curtains in pairs and panels, in ecru, with lateral stripes (crosswise of the curtain rather than up and down), in colors such as rust, green, red or brown, are new and make attractive effects in certain rooms.

Monk's cloth and other coarsely woven materials are often used for draperies without glass curtains in living and dining-rooms. These are shown in oatmeal, oyster and light egg shell backgrounds, with lateral stripes or plaids in bright colors. Other materials of these same popular uses are sunfast nubby homespuns, Mexican crashes and waffle weaves.

If you wish to use glass curtains with any of these rough weave draperies, you should choose them from the rough weave laces or marquisettes.

Perhaps you are wanting to buy some dressy curtains and draperies for your living-room. Drapery damasks are lovelier than ever this season. The dusty colors are very good. There is more color being shown this spring than ever before. Pinks, turquoise and clear yellows are the leaders of fashion in drapery colors. For glass curtains to use with these, get some fine nets or fine rayon marquisettes. The draperies may be of floor length, but the curtains should be either apron or sill length.

g Department

Green and yellow make a lovely sun-room. The curtains can be made of yellow, open-meshed material to let in every bit of light, and are set off by a green grass rug. Reed furniture is comfortable and practical for a room that is used both in summer and in winter.

ork Magic

ith Careful Thought

ngs

Trimmings are in style again this season. Ball fringes, which come in many fast colors and which wash very nicely, are quite inexpensive. They are being used on both curtains and draperies. Brush and loop fringes and other more elaborate trimmings are being shown.

Swagger cords are being used with curtains now instead of draperies. Drapery arms, curtain rods and poles, etc., are to be found in nearly all departments selling curtains and drapery made-ups and materials.

Washable glazed chintzes, which are sunfast, are new on the curtain market. These are pre-shrunken and will wash without losing the glaze. They make lovely draperies and slip-covers.

Ruffled curtains still hold on to first place for use in bedrooms. Duplex swagger curtains, which combine a pastel net with woven-in design with a creamy marquisette, give the effect of curtains and drapes and are new. Grenadines, nets with cushion dots, woven figure grenadines and fish-net laces are some of the choice materials for curtains to be used in the bedroom.

The newest thing for kitchen curtains is oiled silk, which is washable and attractive looking. Cottage sets in brighter colors than ever are very popular. And you can say the same for bathroom curtains as for the kitchen.

How About Shades?

Will the effect of your new curtains be lost by putting them over disreputable looking window shades? Washable window shades are now available in many colors, such as russet, dust, snow, larkspur, pearl, moss, sun rose, etc., besides the old standbys of tan and green.

Follow the usual directions for measuring material needed for glass curtains, in case you buy material made up. Measure from sill to top-line of inside window frame for the length, and across inside frame for width. Add six inches extra for hem, heading and casing turnbacks. Add three inches for a tuck to allow for shrinking in materials not pre-shrunk. If your curtains are sill length, 75 per cent fullness is advised, and if they are long ones allow 100 per cent.

For side hangings, measure from sill or floor to top of molding, the outside edge of the woodwork. Use molding for marginal line about the sides and top of curtains and valance, or cover woodwork entirely. Top and sides should cover woodwork equally, unless there is a heavy cornice above the window.

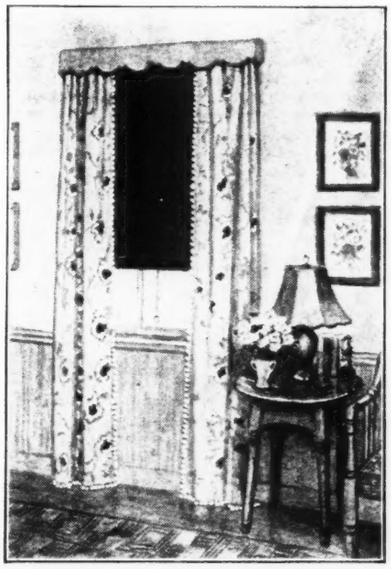
Valances are not used much when side draperies give a better effect alone. But, for a valance, measure across top to outside molding. Cover entire width of window when side hangings are to be used. Valance depth may equal one-fifth of window length or less, but should not be more than the width, because that would make the window look top-heavy.

Use caution before cutting, if you would avoid despair later. Consider the finished effect before cutting material. Watch where the pattern occurs on the first length cut. Match all other lengths for the room with the first one, taking care that the pattern across occurs at the same point on each. All hems must be equal to insure curtains of equal length.

Cost Is About the Same

Whether you will buy ready-made panels or pairs, or the materials and make them up yourself, is for you to choose. Actually, the cost, when everything is considered, runs very little different for the same quality materials. Many panels and pairs also in the knits, nets and laces come with two or three rows of eyelets at the top. You slip the rod thru the row of eyelets, which makes the curtain the length you desire.

For the most effective results, the curtains should be simple in style, very inconspicuous in the way they are hung, and useful. If you are making curtains, remove the selvedges and hem the sides, if you wish them to hang nicely. And remember, if you do buy panels and pairs, you can nearly always match the materials if you need to make curtains for odd-sized windows.



Floor length draperies of chintz trimmed with ball fringe will give your living-room an entirely new air.

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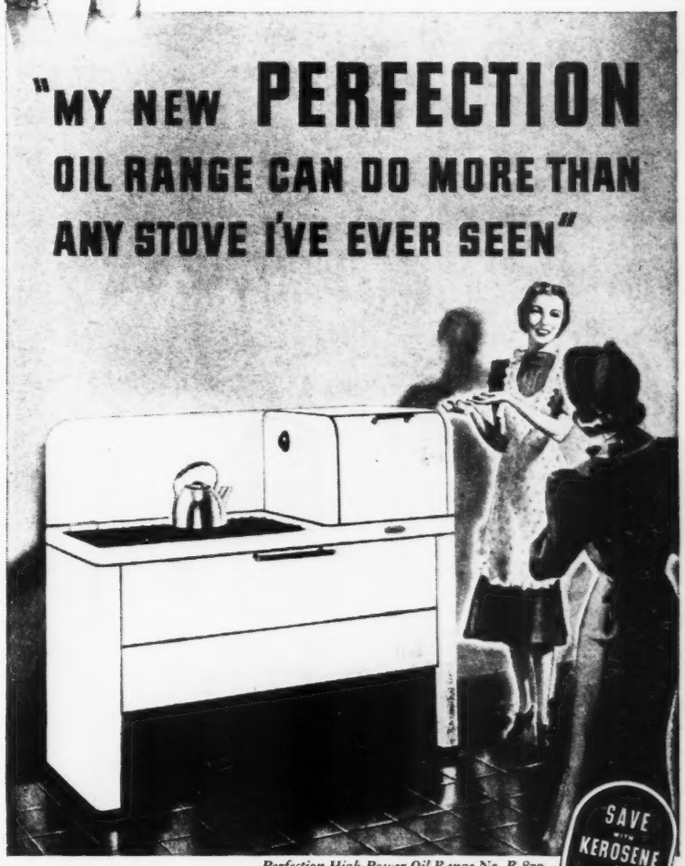

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COUNTRY AIR

By A FARM WOMAN

THERE are three major things the tourist does in Hot Springs, Ark. Three, that is, if he arrives there in the racing season. First, he goes to the races. There, in a glass-front, steam-heated amphitheater, everybody sits to study racing programs and the betting odds as displayed on great bulletin boards across the track. Horse-flesh and breeding are important only as they influence the odds. From the loud speaker come sepulchral warnings: "Only five minutes left in which to place your bets"; "Two minutes left"; "One minute left." The crowds leave their seats and surge about the windows, to "place" or to "win."

Everybody seems to have a "tip," from the grocery boy on up to the jeweled tourists at the hotels. The man of the house was expecting a telegram from home. He inquired at the hotel desk if there was a wire for him. "Yo'-all expectin' a tip?" inquired the attendant pleasantly.

I looked my fill of beautifully gowned and groomed women, glad that I wasn't the society reporter. I didn't even know the names of the fabrics. And the hats—more fun than ever, and crazier, but with an ambition toward becomingness. Outside, cars no less sleek than their owners inside the gates bore license plates from all over the United States. But, no matter how shiny, how far they had come, or how "official" the license, every one of them pulled up at attention after the races when the money went down to the bank. An armored car preceded by two police cars and followed by two more, with sirens shrieking, halts all traffic just as a fire truck does. And here I had always thought it was horses that people went crazy over. Me, with my ten-cent state fair bingo kettle! What do I know about gambling?

The second thing you do in Hot Springs is to take the baths. The springs are government property—one sign reading, "Govetment Hot Water and Supervision." "Must be a session of congress here," said the m. of the h. Generally, you take the baths because you have an ache or a pain, or are worn out or run down or need toning up or something. Society women take them after a hectic season. Having nothing to cure but my curiosity, my experience was a complete success.

There is probably an art to wearing a sheet as one's complete ensemble, but, if so, no one at the baths seems to have mastered it. I reflected how awkward it must have been to be a Roman senator and obliged to wear a sheet all the time.

The spring water spouts from the earth at a temperature of 147½ degrees, and your first tub is cooled only to 110 degrees. Twenty minutes of steeping, plus a drink or two of hot spring water and a brisk rub-down by the attendant, is the prelude to a steam room or steam cabinet, which is hotter—well, hotter than the summer of 1936, anyway. From there, you are led to the sweat room to recline upon a metal couch, and, if you need them, have hot packs.

Not wanting to miss anything, I demanded a hot pack. Trusting the attendant's word, "It won't burn," I eased myself among the steaming pads, whistling sympathetically for the women who ejaculated in no uncertain terms before they began to purr. Here, for thirty minutes, you fulfill the destiny of the sweat room. It would be a perfect setting for a hired man we once had, whose regular noonday greeting during a torrid harvest season was, "Well, have you sweat any?"

The third thing you do at Hot Springs is to climb the tower on South mountain. That is, some people climb it. Others pay a quarter and are whisked in an elevator 160 feet above the mountain top. You're very nervy about it until, thru the open sides of the cage, you seem to be climbing trees at a terrific speed, then leave tree tops below you and shoot on up into nothingness. You are helped out, and stand dizzily trying to think what disease it is when you feel that way in your middle. About the time your silly knees quit shaking, you discover the beaming colored boy has taken the elevator back down and that the m. of the h. has climbed the remaining ten feet to the top, leaving you all alone. You have another attack of ague.

But you've paid a quarter to see this; so you totter to the breast-high railing, grasp it firmly and lift your frightened eyes out and beyond. There they are—range after range of green, brown and blue Ozarks. Hill-billy cabins shoulder towering pines, irregular scraps of fields look as the "pap" had tossed his pocket handkerchief out between the stumps and said, "Boy, plow thar!" Streams meander perilously toward the valleys. Tawny roads crack the whip to the mountain tops. The kingdoms of the Ozarks spread themselves in majestic distances. I didn't want 'em—I'd rather have Iowa—but, oh, they were beautiful!

Let's go down on the next elevator. How good to be back on terra firma. My respect for Arkansas soil—which hadn't been high—rose a hundred per cent.

The other things you do in Hot Springs are hunt for parking places outside the nickel parking meter zones; speculate on how on earth all those auction, curio and souvenir shops survive even in a resort town, and wonder if you really ought to take a drink from all the various medicinal springs. After all, maybe you don't have the right thing wrong with you. Anyway, just ordinary water will quench thirst.

Manners for Young People

DINNER IS SERVED

A DINNER is always an occasion whether it is a formal banquet or an informal dinner at the home of a friend. In entering the dining-room, men and boys should stand aside to permit the women and girls to pass before them, unless they are entering as partners.

If place cards are not used, the hostess may indicate where each is to sit. If she doesn't, the guests take the most congenial places. It is customary for a woman guest of honor to be seated at the right of the host and a man guest of honor at the right of the hostess.

Stand back of your chair until the head of the table starts to sit down. Then, if you are a member of the masculine sex, step to the right and slide out and in—the chair of the lady to your right. Then seat yourself (from the left of your chair).

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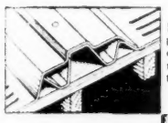
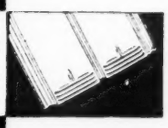
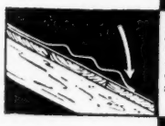


1. TWIN DRAINS prevent syphoning. They carry off any water that may seep or be blown through the laps.

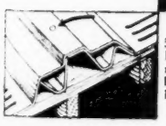


2. TRIPLE CROSS CRIMPS stop all seepage at end laps and protect your roof from this common cause of leaks.



3. PRESSURE LIP makes the overlapping ends cling firmly together. High winds and rain are kept out.

4. TENSION CURVE holds the entire sheet firmly and snugly against the decking.



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PERSONAL AFFAIRS

By LUCILE

Mothers, Set Them Free

DEAR LUCILE: Seeing your column in the last issue of the paper, led me to hope that you can help me with my problem.

I am eighteen years old, and my mother will not allow me any freedom or privileges. I am not allowed dates, altho nice boys ask me; I am not allowed to attend parties other than the stiff old ones which she and my father go to; I may not use make-up; if I let slip a slang expression, my mother acts pained for days, and she even buys my clothes—I have never yet had a dress that I selected alone.

I'd as well be in jail. What do you think of the way my mother treats me? And it's all for no reason at all.—Home-Bound.

Your mother is making the mistake that all too many mothers make in keeping too close a rein on their girls. She is trying to shut you away from the world, and this is something which has never worked out successfully, even back in the days before some of the pitfalls of modern living were present to trap a girl not bad but astray. When girls who are held in such tight check finally get a chance to break loose, they either kick over the traces completely, or else are so permanently marked by their restricted years that they are never able to be anything but repressed and bitter personalities.

A mother who refuses to trust her children casts reflection upon herself. Of course, boys and girls can not just drift along until they are eighteen or twenty-one, and then be set adrift on their own nad be expected to steer a straight course, unless they've had a path mapped out for them, and good, stiff navigation rules furnished. Mother, of course, is the pilot who furnishes these rules, and if she has done a good job during the years when character and ideals are being formed, she need have no great worry when the boy or girl sets out on his or her own responsibility.

So, it isn't the "Home-Bounds" who should be seeking advice, but the mothers who are so depriving their daughters of their rightful privileges to live in the world and enjoy the good times it offers, if a girl has been taught how to choose.

▲ ▲

Let Custom Guide You

DEAR LUCILE: I'm a boy in my junior year in high school. We are going to have a spring party in a few weeks, and there's a certain girl I want to take. I have never gone with her; she's very popular, but I believe she likes me and may accept if my approach is just right.

Now, what should I do? Should I write her a note, asking for a date; should I call her on the phone, or should I just stop her some day after school and ask her?—Harold Teen.

Procedure in this case should be governed by what is customary with the young people in your school. If the party is to be a formal one, and if the boys do it, perhaps a note would be the thing, altho I feel that is probably too stilted and formal for high school. I should think that the thing to do would be to invite her to the popular hang-out (every high school has one) after school some day, and there, in the intimacy of a secluded booth and over two luscious sodas you had paid for, ask her for her company to the party.

If she likes you, as you suspect, she'll accept, no matter what the form of invitation. "How about it for the 28th, kid?" will be as sweet music in her ears as a formal "Dear Miss Jones: May I have the pleasure of your company on the evening of April 28?".

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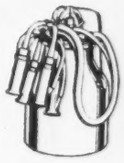

De Laval Milkers have now been on the market 20 years and their overwhelming use and preference are due simply to the fact that they have proved themselves to be the best; that they milk better, faster and cleaner. Made in four types. Sold on such liberal installment payments that they pay for themselves while being used.

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NEW YORK 165 Broadway — CHICAGO 427 Randolph St. — SAN FRANCISCO 61 Beale St.

Plenty of Water—always with IMPROVED AERMOTOR

An **Aermotor** pumps water efficiently through every wind range from the slightest breeze to a gale. That is why it always pumps more water.

Besides, no windmill was ever so free from troublesome and costly repairs. And reducing costs on the farm these days is one of the surest ways of making money.

With electricity available an **Aermotor Water System** is also the surest way to enjoy running water wherever you want it. No other system offers so many exclusive improvements.

Write for details. Address Dept. 30.

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BRANCHES: DALLAS - DES MOINES - KANSAS CITY - MINNEAPOLIS - OAKLAND

HOOKED RUG DESIGNS

These are ideal rug-hooking days. Here are three unusually attractive designs. C7001 is the popular half circle about 27 inches long, and may be made larger by a wider border. The affable pup, C7002, and adorable kitten, C7003, will win everyone's heart. They are about 24 inches tall and may be finished in outline as shown or a border may be added. Hot iron transfers of these are 10c each, or the three for 25c. Order by number. By adding "M" to the number they may be had stamped on burlap for 25c each.

WALLACES' FARMER AND IOWA HOMESTEAD

NO TWO COWS MILK ALIKE

MILK FLOW REGULATES SUCTION

Some are easy milkers, some hard, but the Perfection Automatic Milker adjusts itself to the cow's needs. **It is the only milker with automatic suction control.** A Patented Feature.

Action is just like baby calf's

No more suction is applied than necessary to draw milk. This gentle action is pleasing to the cow. Milk flow increases. For 24 years Perfection has been giving the farmers of America complete satisfaction. Ask any Perfection user!

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Gentlemen: Please send me free booklet describing the Perfection Automatic Milker. I milk ..... cows.

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10¢ AN ACRE *Keeps them away*

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BIRD AND ANIMAL REPELLENT

Why plow, harrow and plant just to supply feed for Crows, Pheasants and Blackbirds? HAMMOND'S NO-CROW makes Corn, Peas and other Seeds distasteful to birds and animals. It also acts as a disinfectant, protecting seeds from the bacteria and fungi that cause rotting in the ground.

HALF PINT	60c, treats 1 bu. seed
PINT	$1.00, treats 2 bu. seed
QUART	$1.75, treats 4 bu. seed
Gallon	$3.50, treats 16 bu. seed

Ask for NO-CROW by name; make sure you get a Hammond Product. If your dealer cannot supply you, send us remittance. All shipments prepaid. Money back if not fully satisfied.

HAMMOND PAINT & CHEMICAL CO.

30 Ferry St., Beacon, New York

Voice of the Farm

Discussion Page for Farm People

Can't Retire on Farm

To the Editor: We have a very good 120-acre farm, rated 110 per cent in productivity in soil conservation work last year. The farm buildings are all in the best of condition, there is a nice, modern farm home, but we are past our best working years, and do not care to go on alone with the farm work.

About two years ago, we built a new, comfortable, four-room cottage with water at the kitchen sink and with inside toilet, and thought that we could have help to do the work and we could go on and enjoy our nice farm and home for several years to come.

We have had seven families in the house since it was built, and it is empty now; have been disappointed in two men already this year. One neighbor tells us he has hired nine men this spring. He lives in town himself and needs a man all the time. Another neighbor who, like us, is past being able to do all his work, has given up the idea of depending on help and is having a closing-out sale this week. They will continue to live in their nice farm home, and rent out the land, but that is not so good for the land.

We are in the same situation. We have no one of our own who needs our help, or to take the farm when we are thru with it. We had hoped to find young people interested in working for wages or shares, who could in time take over the farm and be earning a place for themselves. We have hired by the month, by the year, on a share basis and with a written contract, but have found none to be depended upon.—A Reader, Hardin County, Iowa.

Is a four-room house big enough for the average tenant family.—Editor.

Landlord's Lien

To the Editor: Rents are usually based upon about all the land will bear under normal production. When an off-season occurs, or possibly a number of them together, the tenant is faced with difficulties beyond his control.

The landlord's lien should not exceed more than 50 per cent of the average production. It is only fair that the loss be shared by both parties. Usually, it is better for all concerned to carry on and wait for more favorable seasons.—W. C. Boyer, Linn County, Iowa.

Farmers attending the Iowa tenancy hearings generally approved some limitation on the landlord's lien.—Editor.

Another Abraham Lincoln

A Jackson county, Iowa, reader, wrote the Voice of the Farm recently of the family tradition that a wedding was held in his grandfather's home at Carthage, Ill., back in the 1840's, at which the justice of the peace who did the marrying was named Abraham Lincoln. Our reader added: "I don't think this was the great emancipator."

Now another reader, R. G. Mustain, of Cameron, Ill., comes to report that this other Lincoln is buried at Fountain Green, Ill. His deserted grave, in an old cemetery where livestock graze, still has a tombstone above it which notes that Abraham Lincoln died January 22, 1852, aged fifty-four years.

The Fountain Green Abe Lincoln is reported by the Blandinsville, Ill., Star-Gazette, to have been a first cousin of the president. His brothers, James and Mordecai, are buried in the same cemetery.

Old Mordecai Lincoln (the brother of Thomas Lincoln, father of the president) came to Hancock county from Kentucky in 1830, the same year that Thomas and his son came to Sangamon county from Indiana. Mordecai and his folks came to Fountain Green because another son, James, had come there earlier and had a cabin built.

The family, except Mordecai, Jr., died before their cousin, Abraham, became famous. Mordecai, Jr., lived until 1866.

Poison Gophers

To the Editor: In a recent issue, I read an article about gophers and a 10-cent bounty. Here is my way of suggesting the remedy, and there won't have to be a 10-cent bounty either.

Take a small leather sack, which can easily be carried in your pocket, place a handful or two of corn in it, and mix with strychnine. Whenever you go in the field to work, or just for a walk or fixing a fence, you will have time to notice the gopher holes where the gophers run into them. Place three or four kernels of corn in a hole, and the gopher will soon eat them and die. Do that as soon as you see gophers in the spring, before they have their young.

This will save a lot of replanting of corn, where gophers have been taking the rows, and that's worth more than a 10-cent bounty.—John Winquist, Plymouth County, Iowa.

We'll run some other letters on gopher eradication soon.—Editor.

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ASSETS and SURPLUS $1,250,000

Protect Your Crops Against Hail Losses

For 45 years, Iowa farmers have been protected by the Sound Hail Insurance offered by "The Old Reliable" Farmers Mutual Hail Insurance Association of Iowa—"The Rutledge Company."

More than $13,480,000.00 has been paid in losses to policyholders, who have saved many additional Millions of Dollars in the cost of Protection.

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This year, protect your crops by insuring with this 45 year old company. See the Farmers Mutual representative in your community about Sound Protection against hail losses.

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Listen: Don't buy a tractor of any kind until you have first seen the 1938 Silver King! Here's the "tractor buy" of the year, the outstanding performer under all conditions and climates. The all-purpose tractor that picks a wallop on any farm, and gets the work done in record time. There's a real thrill behind the Silver King wheel. Be sure to get it.

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And if you're looking for economy you're looking sureely at the lowest cost operating tractor ever built. Silver King engineering and 46 years' manufacturing experience put dependability and economy above all else. Your gas and oil bills are less, your repair bills are almost nothing. But don't stop here. Send for the new FREE BOOK that illustrates and describes it in detail . . . then ask your Dealer for a demonstration.

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FREE BOOK DESCRIBES IT! . . .

Grow a BUMPER CROP of SOYBEANS

NITRAGIN inoculation often increases the yield of legumes by 50% or more. It makes more and richer feed, and promotes the growth of root nodules to enrich the soil with nitrogen and organic matter.

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Make the most of your seed, soil and labor! Don't depend on accidental inoculation by wild bacteria for your soybeans or any legume crop. Be sure of early, complete inoculation with selected, proved strains of legume bacteria and get bigger, surer crops. NITRAGIN is proved by nearly 40 years of practical farm use. It is the original, tested and dated inoculant. Sold by leading seed dealers or sent from factory.

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When Poisons Clog KIDNEYS and Irritate Bladder

JUST DO THIS

Go to your druggist today and get this safe, swift and harmless diuretic and stimulant—ask for Gold Medal Haarlem Oil Capsules and start at once to flush kidneys of waste matter saturated with acids and poisons.

That's the way to bring about healthy kidney activity and stop that bladder irritation which often causes scanty passage with smarting and burning as well as restless nights.

Remember, the kidneys often need flushing as well as the bowels, and some symptoms of kidney weakness are: Getting up once or twice during the night—puffy eyes—cramps in legs—backache and moist palms. But be sure and get GOLD MEDAL Haarlem Oil Capsules—the original and genuine—right from Haarlem in Holland—the price is small (35 cents), the good results will fulfill your expectations.

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Silos and silo blocks may LOOK alike, but there is a big difference between Kalo Glazed Silos and most other kinds. Get full information on plans, specifications, and the prices we offer before you build. Liberal discount on early orders. Write today for free catalog.

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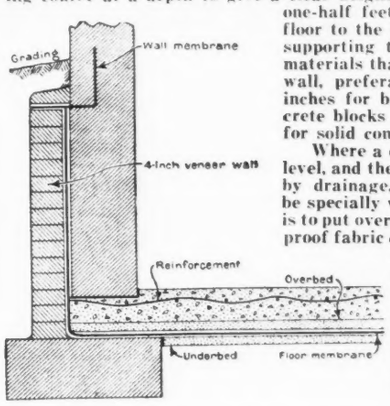
KALO BRICK & TILE CO.
603 Snell Bldg., Fort Dodge, Iowa

Read the Ads in Our Classified Columns

CELLARS AND DAMPNESS

Dampness in cellars can be avoided by proper construction. Start the wall on a firm, dry, level bottom or on a substantial concrete footing course at a depth to give a clear height of not less than six and one-half feet from the finished cellar floor to the bottom of the main beam supporting the first-story joists. Use materials that will make a water-tight wall, preferably not thinner than 12 inches for brick, solid or hollow concrete blocks or clay tile, and 8 inches for solid concrete.



Where a cellar floor is below water level, and the water can not be lowered by drainage, the construction should be specially waterproofed. One method is to put overlapping layers of a waterproof fabric or membrane, treated with hot asphalt, behind main walls and floor (see cut). Complete directions for this method are contained in Farmers' Bulletin No. 1572, published by the United States Department of Agriculture, at Washington, D. C.

Fourth Generation

To the Editor: My father bought a Mexican war veteran's land warrant and located 160 acres for $145, on May 10, 1851. The deed is printed on sheepskin and signed by Millard Fillmore.

Father built a log cabin and raised eight children, six of them boys. A part of this farm fell to me. This is the only change in ownership. I am living with a son, James D. Helmick, and also have a grandson born in 1919, who is of the fourth generation—all Jims—James I, James H and James III.—James K. Helmick, Louisa County, Iowa.

A lot of old Iowa farms were bought from the government with Mexican war warrants, the soldier's bonus of that day.—Editor.

Absentee Owners

To the Editor: My opinion is that if speculation in farm land was limited to farm operators, more people would own their land and live on it. No farm is capable of making enough for a renter to live as he should and permit both him and his land owner to get ahead from the profits of the farm.

Almost all renters are deprived of a good many privileges due them, while the owner is generally deprived of nothing to make life comfortable, and has 365 days in every year to make money some other way.—Ralph Burch, Woodbury County, Iowa.

Should the absentee landlord be penalized? And how?—Editor.

Grasshopper Eggs

To the Editor: I see some people advocating burning fence rows as a certain means of destroying grasshopper eggs. Since the eggs are buried in the ground, how could a light grass fire destroy them?

It seems to me it is a great mistake not to have brush of some kind along south and west fence rows. This would not only afford protection from hot winds, but would provide a building place and refuge for birds, which are the greatest insect destroyers a farmer can have.—Farm Woman, Hancock County, Iowa.

Better stock up on poison bait for grasshoppers. We agree that burning fence rows doesn't seem to do much good.—Editor.

Stay on Farm

To the Editor: Why should one boy stay on the farm and the other two go to town? Why not all stay on the farm? There is plenty of work there. In the city, even if the farm children find work and do not go on relief, they just crowd some one else out of a job, who must join the unemployed. . . .

It doesn't cost any more to fit these young people out with homes on the farm than to get them homes in town. Then our farms would be better tended and the families better fed. Our schools would not be closed and our country churches deserted.

With our diversified farming, there is a chance for each family to take up a line of work they like, such as dairying, poultry raising, fruit growing, etc. Then each could do their day's work in ten hours, instead of one family trying to do it all and working sixteen or more hours, and still neglecting some things.—John F. Lee, Shelby County, Iowa.

How many of our readers have tried a plan like this and found it worked satisfactorily?—Editor.

If you're out to make money..

RED BRAND fence will help you!

It'll save you time, work and worry—guard your livestock—save down or missed grain and forage you'd otherwise lose—help you build up soil fertility.

FENCE NOW—with "Galvannealed," copper-bearing RED BRAND fence. Brace ends and corners well, stretch it tight, and it'll give you the same wonderful service it is giving farmers all over the country.

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Those Windrows Determine the QUALITY of your HAY

SEE those light, fluffy, upstanding, *quick-drying* windrows. On close examination you'd find that most of the leaves are to the *inside*, shaded by the stalks. There is *real quality hay* in the making: Air dried instead of sun scorched; tender in texture; rich in leaves and color; high in protein and vitamins. NEW IDEA machines certainly help you both to *cure* and to *save* better hay.

Side Delivery Rake & Tedder

Only in a NEW IDEA do you get the exact combination of *rigid trussed-arch frame, flexible spiral-acting reel, patented double-curved teeth* and other exclusive features which assure such perfect air-drying windrows, such smooth trouble-free operation—such light draft and remarkable durability. Reversed for tedding, the NEW IDEA reveals equal efficiency with its gentle lifting and fluffing action that genuinely *aerates* the hay without shattering it. Every function of this machine helps *produce* better hay.

Cylinder-Pushbar Hay Loader

Saves the *feeding value* of the hay—delivers leaves and short pieces as well as stems. Builds big high loads easily. Picks up clean from either swath or windrow. Never jams or compresses the hay. Elevates smoothly without threshing action. Direct action short-lift cylinder; closed, anti-slip, deck; Patented Yielding Deck Feature balanced push-bar elevator. *Special heavy duty model available for Green Alfalfa, Peas and Beans.*

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CHOP and STORE HAY
CUT BETTER ENSILAGE
SEPARATE BEANS
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MAKE MOLASSES
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HOW LETZ ADDS FARM INCOME

Chopping and storing hay is just ONE of *many* money making jobs you can do with a Letz Separator Mill. Write and get the facts on how much you can save in labor, time, feed and power costs with modern Letz construction.

After your hay is *chopped* and *stored*, you'll want to cut ensilage. Then *chop* and store fodder, soybean, cowpea or sweet clover hays and grind grain. One Letz does them *all*—faster, cheaper—prepares feeds of distinctive storing and feeding quality—and is the ONLY mill that saves and sacks beans, corn and grain separately. Letz prepares all feeds with ONE mill—a year 'round profit maker for dairymen and feeders.

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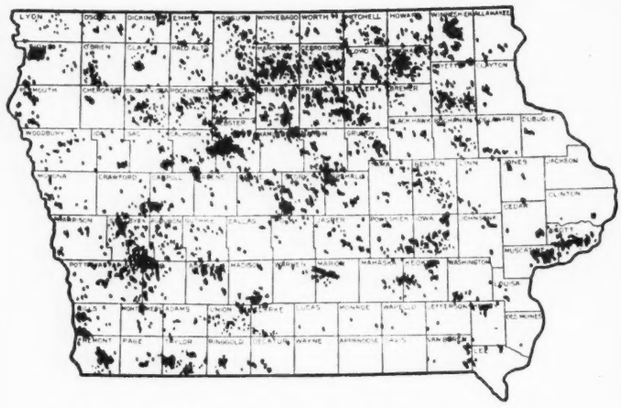


HAIL LOSSES HIT MANY COUNTIES

The map above shows the way hail losses were distributed over the state of Iowa in about an average year, according to the records of one large hail insurance company. In 1931, hail storms occurred in ninety-one counties, as indicated above. The low point in recent years was 1935, when storms hit only eighty counties. In 1932, ninety-five counties were hit, and, in 1926, ninety-eight counties.

State House Civil Service

(Continued from page 5)

and Stout Institute (manual and domestic science).

Wisconsin's classified civil service group comprises about 7,500 persons, all jobs filed thru open competitive examinations and subject to the standard rules and regulations of compensation, promotion and rejection. Within the classified lists are a few exempted positions, Wisconsin having the smallest number of this nature on record, limited to one deputy and assistant and one stenographer for each elected executive, and the employes of the supreme court chambers. All the routine clerks and messengers of the legislature are under classified rules, which clears the air of much political bickering.

To encourage persons to enlist in state service according to natural ability or training, a partial system of vocational guidance is used. Lists of interested parties to whom notices of various examinations and qualifications for positions are sent are recorded, so that each will get notice of subjects in which he is trained.

Examining Applicants

In its examinations, Wisconsin uses the short answer form. The extreme form of intelligence test has never been used except in a modified way. Persons would prefer to answer 250 statements which can be answered with a single pencil stroke than to write a "free answer" examination with a dozen heavily weighted questions. One simple key can then be used to grade the papers, and a more accurate analysis of the individual's ability is possible, examiners believe.

Similarly, the use of three oral questioners who verbally examine those who earn a passing mark of 70 is another follow-up procedure favored in Wisconsin tests. Altho the oral board method has some weakness, practically all personnel agencies have been obliged to adopt it because it gives a candidate a chance to demonstrate personality and fitness for key positions especially.

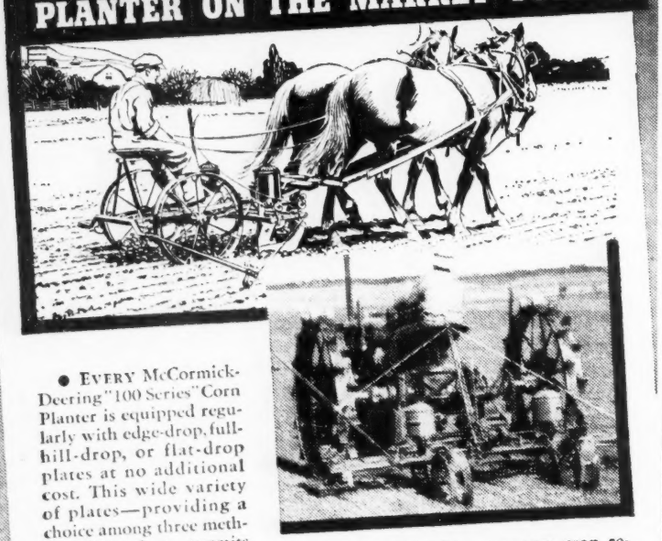
Filling Vacancies

Unless there is more than one vacancy, only the three highest names from the examination standing are submitted for the first vacancy which occurs in the service. If there is more than one opening, two more names than there are vacancies are submitted. However, certification for short term temporary jobs permits the granting of ten-day appointments.

Six months' probation is required of all civil service employes, during which interval they can not be promoted or quit the service and retain reinstatement privileges. Moreover, if they fail to fulfill expectations, they may be dropped without compliance with the discharge rules, which include the rights of hearing and appeal.

Generally speaking, Wisconsin has resisted infringement of the law suc-

THE McCORMICK-DEERING Corn Planter IS THE MOST COMPLETE PLANTER ON THE MARKET TODAY



● EVERY McCormick-Deering "100 Series" Corn Planter is equipped regularly with edge-drop, full-hill-drop, or flat-drop plates at no additional cost. This wide variety of plates—providing a choice among three methods of planting—permits the selection of a plate and a method that will plant your Hybrid seed with unexcelled accuracy. Many users tell us the McCormick-Deering Planter is superior to any other planter on the market when used as an edge-drop planter, a flat-drop planter, or a full-hill-drop planter.

The McCormick-Deering line of planting equipment includes horse-drawn planters, Farmall planters, and drills for every row-crop requirement. The check-row planters can be used for check-row planting, power-hill-drop planting, or drilling. Ask the McCormick-Deering dealer to show you a planter or drill for your purpose. If you have a Farmall 12 or Farmall 20 Tractor, make it a point to see the McCormick-Deering F-110 Quick-Attachable Planter.

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There are dozens of ways concrete can make work easier, save money and increase productiveness on your farm. It is *permanent*, firesafe, storm-proof, and repair-free. We have booklets and folders on many subjects—free on request.

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Write for catalog and prices on our new Steel Tractor Sweeprakes made for nearly all makes of Tractors,—just the thing for sweeping grain shocks or any kind of hay; also Wood and Steel Stackers and Horse-drawn Sweeprakes.

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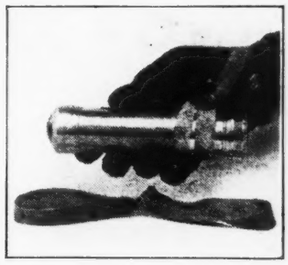


Flashlight Holder

A flashlight holder fashioned from two bands from an old inner tube (see cut), can be very handy when exploring unfamiliar places where loss of the light might mean at least inconvenience if not peril. One loop of the combined bands is fastened to the light; the other to your wrist.

cessfully. In the 1937 legislature, however, some veterans' representatives amended the clause relative to special privilege for their buddies. Originally it merely gave a veteran candidate 5 to 10 points advantage over others if and when he took an examination and made 70 or more. The new law gives the veteran a flat 10 points if disabled, and 5 points extra if not, regardless of his written examination figure. It has operated both to the injury of quality selections and somewhat to the detriment of veterans themselves. The officials of the bureau dislike it, and the chances are that public pressure will demand its repeal.

Readers who are desirous of more detailed data on Wisconsin and other state experience with merit selections in state employment may get plenty of free information from G. L. Belsley, secretary of the Civil Service Assembly, 850 East Fifty-eighth street, Chicago.

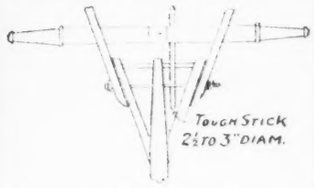
Frozen Bureaucracy

The questions always asked about civil service programs are: "Won't the system stiffen into a frozen bureaucracy? If workers are protected in their jobs, if incoming administrations can not change them, is there danger that they will just go thru the motions instead of really working? Is there a risk that the adherents of one party, put under civil service in one decade, would occupy all the minor posts in a state and be able to disrupt the plans of a new administration of another party?

The spoils system has its points. You get employes fiercely loyal to the policy of the party in power and ready to carry out new ideas. But you acquire a lot of political hacks along with these eager workers.

Can you have a civil service without stagnation? Can you have a spoils system without inefficiency? These are the problems of the reformer of the state house and the county-seat.

Wagon Tongue Support



To put in the support pictured above, lift the wagon tongue up high and slip a small, tough stick thru the triangular opening at the rear of the tongue, next over the rear crossbar, and then under the front axle. Lower the tongue, and the stick will support it in a position about horizontal. The support will take the weight off the horses' necks, keep the tongue end out of the snow and mud, and prevent a horse from stepping on it and breaking it.

Both tall and short corn were planted on the same day, May 18th, with identical hybrid seed. The tall corn was fertilized with Soil Builders, the other was not. Result when husked—fertilized corn, 94.06 bu. per acre, 13.8 moisture; unfertilized corn, 76.26 bu. per acre, 19.6 moisture. Gain was 17.80 bu. of harder, drier corn. Photographed July 29, 1937 on the farm of H. V. Scott in Grundy County, Illinois.

More farmers each year appreciate the *extra yield* of *better* corn made possible with Darling's Soil Builders—under open pollinated and especially hybrids. They know this complete, easy drilling fertilizer supplies all the elements of plant food to give corn the *right* start and make it an outstanding crop. The real yields of hybrid corn are made on properly fertilized soil.

Results above the average are not unusual for users of Darling's Soil Builders. The winner of the 1937 Illinois 10 acre corn contest (with 131 bu. per acre) and the runner up (with 129.3 bu. per acre) and two other farmers in this contest with over 103 bu. per acre all used Soil Builders. Comparable results come from other corn growing sections.

DARLING'S SOIL BUILDERS

In 80 lb. Handiwate Paper Bags—or 125 lb. Burlap Sacks. Ask Your Dealer

"Soil Builders for Corn"—an interesting, helpful booklet — FREE — write for it.

Dealers wanted in territories still open. Write us.

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The Iowa Mutual Tornado Insurance Association is the largest, lowest-cost and best exclusive Tornado Association on earth.

Insurance in force, over $595,000,000.00
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More than $3,000,000.00 paid to policyholders in the past ten years.

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For all kinds of dependable Mutual Insurance consult the officers and directors of your Local County Mutual or write the Secretary at Des Moines, Iowa.

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No post holes to dig. Slip that handy driver over them and down they go—you can set 300 in a day! Spring work is here—there's no time to waste. Build the fences you need with good looking, sturdy RED TOP steel posts. Save time and labor, have better, longer-lasting fence lines.

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Made of TOUGHEST RAILROAD STEEL

Plenty of strength—with the spring necessary to absorb fence line shocks and strains. Reinforced four ways. Big studs support the fence so it won't slip up or down. Durable two-coat aluminum finish. Have your dealer show you RED TOPS.

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use RED TOPS for NEW FENCE--REPAIRS --TEMPORARY FENCES

Farm *and* Feed Lot

Controlling Heel-Fly Grubs in Cattle

CONTROL of cattle grubs or heel flies is one of the most important insect problems confronting cattle producers. It has been found that about one-half of the hides in grub season are damaged.

There are two species of the grubs, the common and the northern. The species have about the same life cycle, altho the larvae or "grubs" of the common fly first appear under the hide on an animal's back, about one to five weeks ahead of the northern fly, that is, between January 1 and February 1 in the Iowa area. Ordinarily, the grubs have all left the animals by August 1.

The adult or fly stage of the cattle grub is somewhat similar in appearance to the common horse bot-fly.

The adult flies begin attacking cattle for the purpose of laying eggs during the first mild, sunny days of spring. Altho they are known to have no "stingers," nor to injure the animal physically in any way, the flies, in their attempt to deposit eggs on the hairs of the heels, annoy the animal so that it characteristically rolls its tail and dashes headlong for the protection of water or shade. Such behavior among cattle in the spring is a good sign of the presence of grub-flies.

Maggots Burrow Thru Body

The eggs hatch in a few days, and the resulting minute spiny maggots burrow into the skin. This causes irritation and infested animals may be seen licking the infected parts around the heels. The maggots work their way upward between the muscles, and a few months later may be found in the abdominal and chest cavities of the animal. During the following seven or eight months, they constantly burrow about over the surface of the paunch, intestines, spleen and other organs. In the fall and winter, the maggots migrate thru the muscular tissues of the back and establish themselves beneath the skin, boring holes thru the hides for air. At this time, the maggot begins going thru a series of molts, to become the familiar grub form. When finally mature, in the spring, it emerges and drops to the ground, to go thru final development into the adult fly.

All kinds of materials and devices have been tried against cattle grubs, but best results have been had by extraction by hand pressure or a forceps, and treatment of the backs of cattle with insecticides. In hand extraction, the grubs can be spotted by the bumpy appearance on the animal's back. The small scab over the breathing hole is removed and pressure applied. Care must be taken not to crush the grub beneath the skin, since this might result in the formation of an abscess.

Fine derris powder or nicotine dust containing two or three per cent of free nicotine, are used for dusting over the animal's back. The hair is first ruffled and the powder is then shaken on and rubbed in thoroly with the fingers. A pound of derris powder will treat about twenty to twenty-five head of cattle.

Benzol or carbon tetrachloride is sometimes administered thru the grub's breathing hole by means of an oil can. A pound of either fluid will treat about 500 grubs.

Whatever method is used, it is highly essential to be thoro and to inspect all animals in the herd. The treatment also should be done when the grubs begin to appear rather than later, tho a follow-up treatment may sometimes be necessary.

Stall Partition

In barns with concrete floors, it usually is difficult to make a temporary division of a stall, because of the lack of a place to sink the partition posts. One farmer, when building his barn, solved the problem by imbedding a two-foot length of one and one-fourth-inch pipe in a perpendicular position in the concrete, with the upper end flush with the floor. This answered as a socket for a post made of one-inch pipe, which could be lifted out and replaced instantly.

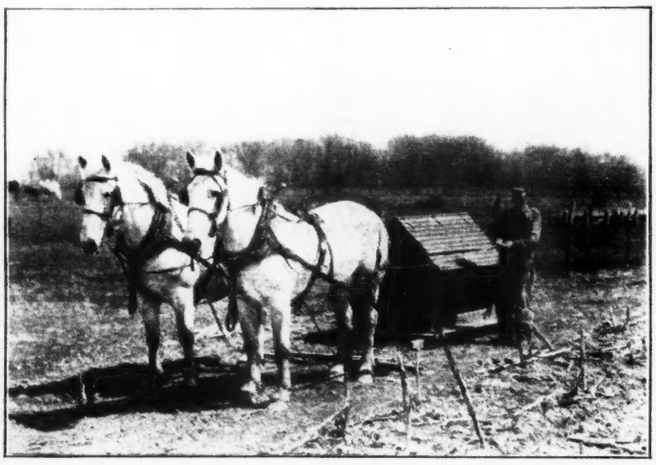
Two of these sockets, one near the manger and the other toward the rear of the stall, hold the two posts, which are joined by a horizontal pipe at the top, the frame being covered with woven wire. When the partition is lifted out, it can be stored away in a small space. Wooden plugs should be inserted in the top of the sockets to keep them from filling with dirt when not in use.

This same arrangement would be found very convenient in dividing grain bins or making temporary divisions elsewhere.

Dosing Sheep for Worms

A one and one-half per cent solution of copper sulphate in dosages of one ounce and up for lambs and three ounces for adults, administered at intervals of three weeks thruout the year, will effectively control the stomach and intestinal worms of sheep. This is a summary of the results of sheep parasite control studies made by J. H. Rietz, of Morgantown, W. Va., and reported in the Journal of the American Veterinary Medical Association.

Doctor Rietz found starving the animal twenty-four hours before administering treatment is essential to success. Pregnant ewes, however, are not dieted during the lambing period and for two treating periods following lambing. Good feeding and management are influential in helping to keep down the internal parasites.



Moving a swine self-feeder to fresh ground.

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Do you harvest your wool crop by machine?
If you are—you're getting 10% more in cash value for your wool.
If you're not—it will pay you to investigate Stewart shearing machines right away.

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A STEWART SHEARING MACHINE costs as little as $22.95, complete with extra blades, and soon pays for itself.

Send for FREE Catalog of Stewart hand-power or electric clipping and shearing machines. Made and guaranteed by CHICAGO FLEXIBLE SHAFT CO., 5582 W. Roosevelt Rd., Chicago. Western Office: 224 S. W. Temple St., Salt Lake City. Write either office. *48 yrs. making Quality products*

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THE BEST SHEARING MACHINES MADE

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Recommended by Soil Conservation Committees

Gives smooth, even coverage—thick or thin. Saves materials. Fits any wagon or truck. Switched in 3 minutes—no tools. Spreads wet lime—can't clog. Warehouse stocks nearby. Get complete facts.

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PROTECT LIVESTOCK AND POULTRY FROM PARASITES AND DISEASE WITH

KRESO DIP No. 1
STANDARDIZED
Kills Disease Germs Lice, Mites, Etc. Disinfects

Free SEND FOR FREE BOOKLET ON "FARM SANITATION"
Write to Desk K.41-D, Animal Industry Dept.
PARKE, DAVIS & CO., Detroit, Mich.
Drug Stores sell Parke, Davis products

IDEAL SILO CORN

Half the Acreage to Fill Your Silo

Thrives even under conditions of poor soil and weather. Produces abundance of good fodder and matures long ears of yellow corn. The Northwest's favorite corn for feeding, curing or silo filling

Farmer Seed & Nursery Co.
106 W. Fourth St.
Faribault, Minnesota

SEND FOR FREE SEED GUIDE

Classified Ads Offer an Endless Selection

SERVICE BUREAU

$50 REWARD — WALLACES' FARMER SERVICE BUREAU

The Sign of Protection

No Free Seeds

The United States Department of Agriculture reports that it is again this year beginning to get inquiries about free agricultural seeds.

Years ago—previous to 1923—there was an annual appropriation for free seeds for congressional distribution thru the Department of Agriculture. But in 1923, the government decided to discontinue the distribution of free seeds, since it was only commercial garden seed, such as could be bought from any good seed house, and did not necessarily represent varieties better than those in common use.

The department has no free seeds, nor does it have seeds or plants for sale.

Four Thieves Put Away

On his way to the barn to do his morning chores, H. C. Flint, one of our Service Bureau members living about five miles southwest of Adel, Iowa, noticed that his chicken house door was standing open. He suspected all was not well with his flock. Investigation confirmed his suspicions. He found he was short nineteen chickens.

Flint found car tracks showing plainly where a car had stopped near his fence up the road a short distance. Footprints of two men led from that point to the rear of his chicken house. Flint promptly put in a phone call to Dallas County Sheriff C. A. Knee.

Sheriff Knee had received the report of another poultry theft in that locality the same night. Shortly after his investigation of the reports, he got a call from the police at Marshalltown, Iowa, inquiring as to whether any folks in Dallas county had reported poultry stolen.

It developed that the Marshalltown police had taken into custody Oney L. Strait, Beulah Peterson, George Peterson and Eugene Peterson, when they attempted to sell poultry in Marshalltown.

A Long Ways from Texas

Eddie Pranschke and Albert Wendling, of the Independent Live Poultry Company, in Marshalltown, became suspicious when Strait and the Peterson brothers and sister offered a quantity of poultry for sale. They noticed the car used by the quartet had a Texas license, and it struck them that residents of Texas don't ordinarily go quite so far to find a market for their poultry.

Strait and his companions at first maintained the poultry they were selling originally belonged to Strait's mother, but they finally confessed it had been stolen. They also admitted they had financed a trip to Texas by stealing as they went along thru the states of Iowa, Missouri, Arkansas, Oklahoma and Texas.

When brought before Judge E. W. Dingwell, in the district court at Adel, Strait was sentenced to five years in the Anamosa reformatory, on each of two counts; George and Eugene Peterson each got five-year sentences to the same place, and Beulah Peterson was sentenced to the women's reformatory at Rockwell City for five years. Eugene Peterson, seventeen years old, was paroled because of his age and a showing that he didn't know what his companions were doing.

The Service Bureau reward money was divided between Flint, Pranschke and Wendling, who jointly furnished the information which led to the arrest and conviction.

Associated Adjusters

Post office officials held a hearing at Washington on January 4 and subsequent days, to determine whether a fraud order shall be issued closing the mails to Associated Adjusters, a Milwaukee, Wis., organization about which the Service Bureau has received a number of inquiries.

At the time this is written, we are informed that a decision in this case has not yet been handed down. However, we have information that the Canadian post office department, on September 2, 1937, issued a prohibitory order against Associated Adjusters, withdrawing mailing privileges in Canada.

This organization has been inserting advertisements under "Male Help Wanted" classifications, which led many to believe that they were wanting men to become automobile and accident claim adjusters.

Those who answered the ad received a letter offering the applicant a chance to become associated with "the world's largest association of automobile insurance and automobile finance company investigators and claim adjusters." Pay "at the rate of $1 per hour or $10 per day and 5 cents per mile plus hotel bills when traveling" was mentioned.

Payment of $5 was required of the applicant to cover the cost of the instructions to be furnished, a bond for the protection of the insurance companies for which the applicant might adjust claims, and listing the applicant's name in a Directory of Adjusters.

The complaint we get is that after a person has paid his $5 and received and studied his instructions, he does not get any claims to adjust. But the contract he has signed with Associated Adjusters provides merely that they will assign to the applicant "all claims which originate for him thru this office." It overlooks mentioning what you are to do if they don't get any claims to be handled in your locality and consequently can't forward any.

Penalties in Many States

In many states, it is a felony punishable by a fine of as high as $500, and imprisonment for as much as two years, for an individual to act as an adjuster without first obtaining a state license. Fees for such licenses range from $5 to $50. In one state, it is a felony for anyone but an attorney to act as an adjuster.

It should be noted further that Associated Adjusters has no legal identity as a Wisconsin corporation. We wonder if there are any insurance companies using this organization as a medium to get into communication with claim adjusters who have had a limited amount of instruction. We haven't heard of any.

SEMESAN JR. SEED TREATMENT
—The "RIGHT-START" for a better-paying CORN YIELD

COSTS ONLY 1½c AN ACRE AT NEW REDUCED PRICE

This year *every* corn grower can afford the benefits of SEMESAN JR. — for now, thanks to advanced production methods, this dust seed treatment costs only 1½¢ an acre! So, treat seed ***now*** in slack time and be ready to plant the minute conditions are right! SEMESAN JR. reduces seed rotting and seedling blight, gives corn a healthy start, has increased yields an average of 4 bushels an acre in official tests. Corn Pamphlet free from dealer or Bayer-Semesan Co., Inc., Wilmington, Del.

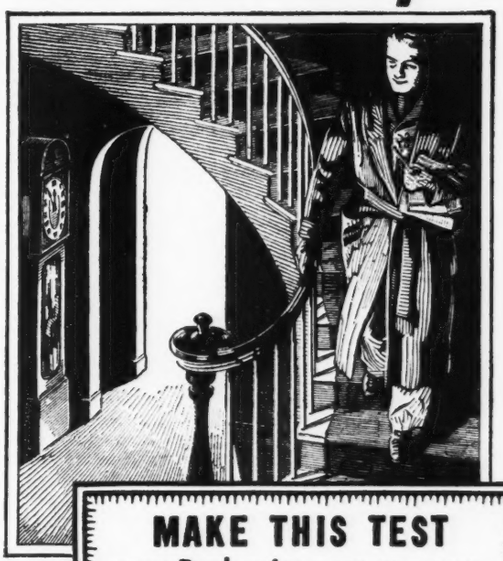
If you buy seed corn, be sure it bears this Seed Treatment Certificate Stamp.

This SEED is CERTIFIED as Having Been TREATED with DUBAY SEMESAN JR. at the applicator rate specified by the manufacturer. POISON

DUBAY — SEED DISINFECTANTS
TREAT SEED EVERY YEAR—IT PAYS!

When writing to advertisers, will you please mention this paper.

On his way to a banquet



Nothing formal about this. A delightfully lazy evening . . . an interesting book . . . muffled music from the radio . . . hickory logs crackling in the fireplace . . . and then, "How about a peek into the refrigerator? . . . Ah! Spicy pickles . . . Um-m! Cold chicken . . . Um-m! Racy cheese, sandwich spread and delicious relish. And to top it all off magnificently — cold BUDWEISER! What a wife! She thinks of everything . . . never forgets to keep plenty of BUDWEISER in the refrigerator at all times."

MAKE THIS TEST
DRINK Budweiser FOR FIVE DAYS. ON THE SIXTH DAY TRY TO DRINK A SWEET BEER • YOU WILL WANT Budweiser's FLAVOR THEREAFTER.

ANHEUSER-BUSCH
Budweiser
EVERYWHERE

NOTE FOR HOUSEWIVES: Your neighborhood dealer can supply you with BUDWEISER . . . cans or bottles . . . as you wish.

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MANGANESE
COD LIVER OIL
IODINE
BUTTER-MILK
VITAMINS A-B-D E-G
VICTOR CRETE MILLS
CHICK PELLETS
ENRICHED IN VITAMINS A-B-D E-G

READ WHAT VICTOR USERS SAY---

DALE SOPER, BURKE, SOUTH DAKOTA, SAYS: "I have a flock of 300 Leghorn pullets, hatch of April 8th, 1937. I am getting 70% production and receipts from eggs for the first thirteen days this month was $52.90. The cost of feeding $19.80. This made me a profit of $33.10 on 300 pullets. I fed VICTOR Chick Pellets to 875 Chicks last spring and lost only 27 Chicks the first six weeks. I heartily recommend VICTOR to anyone who wants a really good feed."

PAUL BATCHELLER OF SIOUX FALLS, S. D., WRITES: "Our poultry feed customers praise VICTOR CHICK PELLETS because of their economy of use, better balance, greater sanitation in feeding, and the better results obtained, which means a smaller feed bill at the end of the year. Our Chick Pellet customers advise us that where VICTOR CHICK PELLETS are fed exclusively, their flocks show quicker growth, with a much lower mortality among the baby chicks."

• • • • • •

FEED THE VICTOR WAY THIS YEAR

Your Chick Feed is the biggest factor in determining your poultry profits. Upon it largely depends your Chick mortality, the length of the growing period and the production of hens that lay more and better eggs. VICTOR CHICK PELLETS contain Manganese Sulphate to protect against slipped tendons, the essential Vitamins, Buttermilk, Cod Liver Oil and many other ingredients necessary to Chick health, growth and vitality. This year—feed the VICTOR way!

Get three— You can get a 1-Gallon Chick Fount or Chick Pellet Hopper or Chick Mash Hopper with Victor Pellets or Victor Chick Mash. Ask your local VICTOR Dealer.

MAIL THIS COUPON

THE CRETE MILLS, Crete, Nebr.
Please send us your new booklet "EGGS," without obligation.

Name .....
Address .....
City ..... State .....

If you do not know the name of the VICTOR Dealer in your locality—write us.

The CRETE MILLS CRETE NEBRASKA

FAMOUS Boote BABY CHICKS
Order Now At These Attractive Prices

	Grade A 100	Grade AA 100	Grade AAA 100
S. C. W. Leghorns — Large Type Buff and Brown and Anconas.	7.00	9.45	10.45
Minorcas, White, Barred and Buff Rocks, Buff Orpingtons, White Wyandottes, Reds and Austra Whites.	8.00	10.45	11.45
Brahmas, Langshans, N. H. Reds, White and Black Giants.	9.00	10.95	11.95
Leghorn, Ancona, Minorca and All Heavy Breed Pullets.	14.40	15.40	16.40
Heavy Pure Breed Mixed.	6.50		
Mixed All Breeds.	5.50		
Heavy Breed Cockerels.	9.95		

BOOTE'S HATCHERIES, Dept. E, Worthington, Minn.

Turkey Poult Prices on Request

Boote's HATCHERIES

One of the World's Largest Hatcheries

CAMERON HATCHERY CHICKS

Husky, Thrifty Chicks from Carefully Selected Parent Stock. Years of Careful Culling, Blood Testing, Breeding for High Egg Production Insure Strong, Quick Developing Chicks You Will Be Proud to Own. Prompt, Guaranteed Live Delivery at the Following Low Prepaid Prices:

	Standard Grade 100	Superior Grade 100
S.C. White Leghorns (Big Type), S.C. Brown Leghorns, S.C. Buff Leghorns.	$6.95	$8.40
White Plymouth Rocks, Barred Plymouth Rocks, Buff Plymouth Rocks, S.C. Rhode Island Reds, Buff Orpingtons, R. C. White Wyandottes, Jersey White Giants, Jersey Black Giants, White Langshans.	$7.25	$8.90

Assorted Heavy Breeds, per 100, $8.40. Assorted All Breeds, per 100 $5.90
CAMERON HATCHERY, - - - CAMERON, MISSOURI

The Poultry

Takes Time to Clean Range

Clean range for young chickens is good insurance, according to H. L. Shrader, of the United States Department of Agriculture. "Clean range," however, does not mean mere neatness and removal of scraps and refuse. Time is the main "cleaning" factor—and it takes two years to make a range clean enough to be safe.

Shrader defines a clean range as "one that has been free of chickens for at least two years, and one on which poultry manure has not been spread." In two years, poultry parasites will die for lack of a chance to multiply. A clean range, free from parasites, gives young chickens a chance to grow without a handicap.

An ideal range, Shrader adds, also supplies plenty of shade for the hot summer months and an abundant supply of succulent green feed and fresh water that is not contaminated by parasites.

Roosts for Chicks

Early roosting for young chicks reduces piling and crowding up in the corners, which always causes many stunted pullets. The roosts should be in place by the time the chicks are three weeks old.

By constructing the roots of 1x2 material, and extending them from the edge of the brooder stove hover to the back of the house, the chicks will learn to use them at an earlier age. The roosts should not be more than three or four inches above the floor. Wire netting tacked underneath the roosts keeps the chicks out of the droppings and keeps them from piling up in the corners.

Economy in Chick Raising

Just as human babies respond to those first careful feedings of advertised strained vegetables, baby chicks respond to the teaspoonfuls of advertised balanced, scientifically blended chick feeds. Sometimes in the interest of economy it seems foolish to pay the fifty cents or a dollar a hundred extra required to provide one of these feeds for these first days. However, these feeds bridge the change from the absorbed yolk to regular poultry feeds just as the expensive strained vegetables bridge the change from a milk diet for the baby to solid adult feed. There really is a place for them.

Count the extra cost for the feed for these first days on a per-chick basis and the cost is not so apparent. Counted on a basis of probable chick mortality, the balance will likely swing in favor of the best feed obtainable. Stunted chicks are the costliest at the end of the season.

There are some good ways to reduce cost after the first few days. One is to provide green feed beginning about the third week if the chicks have no access to blue grass range, and also if no provision has been made for a succession of cereal grass range; that is, early oats for spring and early summer, sudan grass for summer, wheat or rye for fall and early spring. In lieu of these things, we look to the garden lettuce, chard or cabbage to feed our

Wonderful Success
Raising Baby Chicks

Mrs. Rhodes' letter will no doubt [illegible] utmost interest to poultry raisers who have had serious losses raising baby chicks. Read her experience in her own words:

"Dear Sir: I see reports of so many losing their little chicks so thought I would tell my experience. My [illegible] when but a few days old, began to die by the dozens. I tried different remedies and was about discouraged with the chicken business. Finally I saw a Walker Remedy Company, Waterloo, Iowa, for a 50c box of Walko Tablets. They're just the only thing to keep chicks free from disease. I raised thirty, healthy chicks and never lost a single chick after the first dose." Mrs. Ethel Rhodes, Shenandoah, Iowa.

Danger of Infection Among Baby Chicks

Readers are warned to exercise [illegible] sanitary precaution and beware of infection in the drinking water. Baby chicks must have a generous supply of water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your entire flock and cause the loss of half or two-thirds your flock before you are aware. Don't wait until you lose half your chicks. Use preventive methods. Give Walko Tablets in all drinking water from the time chicks are out of the shell and you won't lose one where you have lost dozens before.

You Run No Risk

Buy a package of Walko tablets today at your druggist or poultry supply dealer. Give them in all drinking water from the time chicks are out of the shell. Satisfy yourself as have thousands of others who depend on Walko Tablets year after year in raising their little chicks. You buy Walko Tablets entirely at our risk. We guarantee to refund your money promptly if you don't find them the greatest little chick saver you ever used. The Waterloo Savings Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee. Send the cost postpaid if your dealer can't supply you. Price 50c and $1.00.

Walker Remedy Company
Dept .16, Waterloo, Iowa

Yeast Foam Feeds FOR BIGGER PROFITS From Chicks and Pigs

IF you want spring pigs to reach healthy maturity faster—if you want chicks to grow faster and begin laying sooner—try feeding mash containing

Animal-Poultry Yeast Foam

Let this famous *lire* yeast help build your profits, as it is doing for so many other hog breeders and poultrymen! By contributing elements needed to help keep the digestive system clear and healthy, Animal-Poultry Yeast Foam helps young stock thrive better and mature earlier. Get Yeast Foam Feeds from your dealer. If he can't supply you, it's easy to add Animal-Poultry Yeast Foam to your present feed. 1-lb. box $1 delivered in U. S. Larger amounts cheaper. Booklets FREE. Northwestern Yeast Co., Dept. WF, 1750 N. Ashland Ave., Chicago.

SAVE MONEY ON WAYNE STARTER

with the WAYNE Introductory OFFER

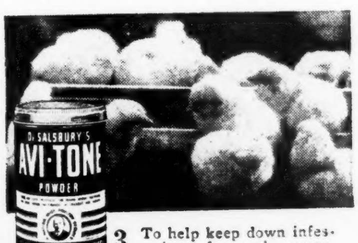
Save 25¢ on your first bag of Wayne, the old reliable chick starter. Manganese, liver meal, dehydrated alfalfa meal, and added vitamins make it better than ever this year.

To save money on this quality feed, just take this ad to your Wayne dealer, or mail it to Allied Mills with your name and address. You will be given a free introductory certificate worth 25¢ and full information about a $1,500 prize contest.

ALLIED MILLS, INC.
Box 412 Fort Wayne, Indiana

1 Right from the start give chicks the benefit of Dr. Salsbury's Phen-O-Sal in their drinking water every day. PHEN-O-SAL checks intestinal infection, and helps to build up strength and vitality.

2 Spray the chicks regularly with Dr. Salsbury's CAM-PHO-SAL. It is beneficial in preventing and relieving colds, gasping and brooder pneumonia, helps keep chicks' breathing organs healthy.



3 To help keep down infestation of round worms, pin worms and capillaria worms, mix Dr. Salsbury's AVI-TONE with the chicks' mash. AVI-TONE also acts as a tonic, promoting faster growth.

You'll want all three—Phen-O-Sal, Cam-Pho-Sal and Avi-Tone—for Chick Health Assurance. Your Dr. Salsbury dealer has them. See him at once.

FREE! *Chick Health Assurance Guide! Get your FREE copy from your local Dr. Salsbury dealer, or write direct to us.*

Dr. Salsbury's POULTRY HEALTH SERVICE STATION

The dealer who displays this emblem can help you raise strong, healthy chicks. Always see him for help and advice.

Dr. SALSBURY'S LABORATORIES
Charles City • • • Iowa
Under Personal Direction of Dr. J. E. Salsbury, Veterinarian and Specialist in Poultry Health

SIEB'S SUPREME QUALITY CHICKS *from* PURE BRED SUPER CULLED BLOOD-TESTED FLOCKS
Choice of 170 000 Poultrymen!

SIEBS Free New POULTRY BOOK

Sieb's Finest Quality Chicks come from the best **PUREBRED BLOOD TESTED FARM RANGED** flocks. This gives them exceptional **VITALITY** so necessary for High egg production. Mr. Sieb's 25 years Hogan-Testing and super culling for High premium egg records and Big, Quick Maturing Broilers has made our chicks the choice of 170,000 poultrymen. We have **One Grade Only—The Best. None better at any price** for profitable commercial poultry.

CUSTOMERS SAY OUR CHICKS PAY BEST
"Your Leghorns most profitable I ever raised." Mrs. Aper. "Laying average your R.I. Reds 71%." G. Wood. "Getting 80 eggs daily in Jan. from 106 pullets." A. Wiley. "Have raised your chicks for 15 years; they're the best investment on the farm." H. Fue. "Your chicks make wonderful layers—the best I ever saw." Mr. Coats. For quick delivery order from this ad or send for our New Poultry Book. A postcard will do. **We guarantee 100% live prepaid delivery.**

NONSEXED CHICKS	100	500	1000
Wh., Bf., Br. Leg., Anconas, Heavy Assorted	$7.40	$35.75	$69.00
Bf., Wh., Bf. Rks., White Wy., Wh., Bf. Orps., S. C. Reds	7.90	38.25	74.00
S. L. Wyand., R. C. Reds, Wh., Bl. or Bf. Min.	8.90	43.25	84.00
White Giants	9.40	45.75	89.00
Light Assorted	6.40	30.75	59.00
Heavy and Light Assorted	6.90	33.25	64.00
Mixed Assorted	5.40	25.75	49.00
SPECIAL ASSORTED	4.95	23.50	44.50

SEXED CHICKS 90% Accuracy Guaranteed	100 Pullets	Males
Barred, Wh. or Buff Rocks, S.C. Reds, Wh. Wyandottes, Wh. or Bf. Orps.	$11.90	$ 8.90
S. L. Wyands., R. C. Reds,	12.90	8.90
White Giants	13.90	11.90
White, Black or Golden Buff Minorcas	16.90	4.90
Wh., Br., or Bf. Leghorns, Anconas	15.90	3.90

Add 25c to all orders less than 100

SIEB'S HATCHERY, Box 136, LINCOLN, ILLINOIS

chicks. The use of these plants and home produced sour milk approximates the "green buttermilk" of commerce.

In the beginning, providing many feeding places helps to give all the chicks an equal start. Shallow pans or paper plates are good, but the cup style egg case flats seem unequaled for those first feeds, because they tend to keep the feed confined sufficiently to give the chicks a real chance to get it.

Gradually lowering the temperature of the brooder house is another way to economize. It helps feathering and tends to harden the chicks early so they can get along without heat at about the ninth week. This not only saves fuel but grows stronger chicks.

Grain feeding of confined chicks, however, should be postponed until the birds are five or six weeks old. If this is done, they will be kept busy satisfying their appetites at the mash feeders, and danger of vice is lessened.

Chicks should not be allowed to run in and out of the brooder house when the ground is wet. They carry in dampness, and the soil around the house will become packed and contaminated. A sun parlor is better for exercise and is easy to provide. It should be made sparrow proof, tho, with a hardware cloth floor high enough to allow easy cleaning beneath. The chicks will be kept safely clean, and yet will have a maximum of sun exposure.

Roosts should be ready, even at the start of the brooding period, so that the chicks can be given a chance to use them early. All Leghorn chicks can be roosting in four or five weeks—American breeds are a little bit slower.

One item which is sometimes neglected is hard grit for the chicks. It is essential, whether the chicks are confined or on the range. Either sand or granite grit can be used. The feeding of limestone grit is likely to change the balance of minerals in the ration.

Year after year, it has been found profitable on general farms to sell early hatched cockerels as soon as they can be marketed, at one and one-half to two pounds for Leghorns and two and one-half to three pounds for Rocks. That plan takes advantage of the better early markets and gives future layers a better chance. —L. L., Story County, Iowa.

Cleaning Dirty Eggs

Recently, the Missouri experiment station completed some storage experiments with eggs which show that eggs can be washed in water containing one per cent of lye, yet will keep when stored. Experienced candlers were unable to detect the eggs so washed. The lye water solution, however, must be changed often so that it is kept clean and strong. The one doing the washing should wear rubber gloves to protect his hands.

When removed from storage, the eggs washed in lye water commanded prices equivalent to those obtained for clean eggs stored for the same length of time. Cooking tests applied to the different lots of eggs showed that the lye washed eggs possessed edible qualities equal to those of clean unwashed eggs.

Capper** ships **C.O.D.
Save Money on CHICKS
Prepaid-No Extras

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NEARLY 2,000,000 YEARLY

Now! At last. You can order baby chicks without paying a cent in advance. Capper ships C. O. D. PREPAID anywhere in U. S. A. Already thousands are buying chicks this simple, easy way. Nearly 2,000,000 chicks sold annually. Thousands of satisfied customers. Just use handy order blank below. Order direct from ad. No expensive literature. Get the extra savings.

AMAZING NEW LOW C. O. D. PREPAID PRICES

UTILITY MATING	Unsexed 100	Pullets 100	Males 100
White Leghorns	$6.75	$13.95	$2.50
Brown, Buff Leghorns	6.95	13.95	3.25
Anconas	7.25	14.50	3.25
S. C. Reds, Barred, White Rocks, Buff Orpingtons	7.25	10.90	8.75
Black Minorcas	7.25	14.50	4.00
Buff, White Minorcas	7.75	15.00	4.00
White Wyandottes, Buff Rocks	7.75	11.40	9.00
White Giants	8.95	13.00	12.00
Heavy Assorted	6.50	10.00	8.00
Light Assorted	5.75	11.00	1.95

MASTER MATING	Unsexed 100	Pullets 100	Males 100
White, Brown, Buff Leghorns	$7.95	$15.00	$3.50
R. I. Reds, Barred, White Rocks, Buff Orpingtons	8.45	12.00	9.75
Anconas, Black Minorcas	8.45	16.00	5.00
White, Buff Minorcas	8.95	16.00	5.00
Buff Rocks, White Wyandottes	8.95	13.00	10.00
Heavy Assorted	7.50	10.90	9.00
Light Assorted	6.90	11.90	2.95

90 PER CENT GUARANTEED SEXED CHICKS
Capper was one of the first to introduce Sexed chicks and the famed Japanese chick sexing method. Hundreds of thousands pullets sold every year. 90 per cent accuracy guaranteed. Safe, harmless sexing. Order Capper pullets this year and get twice the layers with no extra feed, extra housing or extra work.

CAPPER HATCHERY
ELGIN R-40 IOWA

Save! **MAIL ORDER NOW**

Capper Hatchery, Route 40 ( ) Check here for
Elgin, Iowa FREE FOLDER
Please send me the following chicks C.O.D. Prepaid.
Breed .... Number ....
Quality .... Date Wanted ....
Second Choice .... Latest Date ....
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Address ....
City .... State ....

JUST A THIMBLEFUL A DAY

To Save Chicks and Profits

SARGENT Starting Mash will help you to cut down chick losses—boost up poultry profits. Although a baby chick eats only a thimbleful a day, that thimbleful builds the foundation for the flock you'll have this year. Therefore, it pays to give them the BEST. • There's a reason why a majority of Iowa's leading hatcheries use and recommend Sargents. Give YOUR chicks this extra help for faster development and disease-resistance. • Insist on Sargents Starting Mash—the balanced ration that's fortified with Vy Lactos, Cod Liver Oil, and health-building vitamins and proteins. Sargents costs no more. Ask your dealer.

Sargent Starting Mash Also in PELLETS

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Iowa's Largest Exclusive Feed Manufacturers

SARGENT STARTING MASH
"THE OLD RELIABLE"

LUX BIG TYPE *Leghorns*

Sexed Pullets, Cockerels, Eggs, Straight Chix. Hanson Strain—"World's Greatest Layers." A Lux Hen was highest in the total number of eggs laid in NATIONAL EGG LAYING CONTEST. Modern 40 acre trapnest and pedigreed breeding plant specializing in Leghorns for over 16 years. Write for new catalog.

Record-breaking layer. Her sons and daughters carry on Lux top production tradition.

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Twenty years expert culling and breeding for high egg production. Guaranteed strong, healthy. B.W.D. tested. 100 per cent alive delivery.

	Prepaid Per 100
Big Type Tom Barrons, White Leghorns, Buff, Brown Leghorns, Anconas	$6.90
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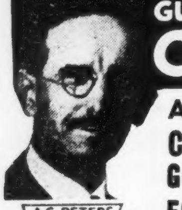
Buff Orpingtons, S. C. Reds, New Hampshires, Buff, White Wyandottes	7.90
HYBRIDS	
White Rocks crossed with White Leghorns	$7.40
S. C. Reds crossed with White Leghorns	7.90

HAMILTON HATCHERY BANCROFT, IOWA



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AVOID COSTLY CHICK LOSSES Get GUARANTEED EGG PRODUCTION

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To Insure A Profitable Flock!

Peters' Chicks are created by many years of successful pedigreed egg-production breeding, skillfully practiced and thoroughly tested and proved, on our own Master-Control Farm. Therefore we liberally guarantee them against losses the first two weeks. In addition, we give you a clean-cut, liberal money-back guarantee on egg production. No catches. Thus insuring a highly profitable flock. Both these valuable guarantees are fully explained in Peters' FREE catalog. Send for it today. Accurately Sexed Chicks or Regular Run. White Leghorns, Sex Linked Hybrids, Barred or White Rocks, White Wyandottes and New Hampshire Reds. Two classes, "Specials" and "Key Flock." Also an "A.A.A." Grade—good winter layers, at popular prices.

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PETERS-CERTIFIED POULTRY BREEDERS ASSOCIATION

Make Money with Giant Type Leghorn Chicks

Hens weigh up to 8 lbs., lay large white eggs. Sexed if desired. 95% accuracy guaranteed in sexed pullets. All BWD tested. Also White, Barred and Buff Rocks, New Hampshire Reds, White Wyandottes, Buff Orpingtons, White and Black Giants, Brown and Buff Leghorn chicks. **Satisfaction guaranteed.** Write for free book "Poultry for Profit"—you'll like it. **Lobdell Hatchery, Box H, Waterloo, Iowa**

Growing Stock Range

Growing poultry stock seems to do well in a young orchard. The range over the grass and in the shade seems to be just the thing to make the youngsters thrive and grow. If they are kept confined and carefully tended until they are four weeks old, you will have little or no losses from damp grass and chilling.

Nothing better than a catch crop of alfalfa or clover in the orchard could be provided for the young stock. If neither can be had, early spring seeded oats with some rape may be used. Green food in any form has long been recognized as an important element in the rations of all fowls, whatever their ages. Alfalfa or clover seeded in the young orchard will supply this important element at slight cost.

Where it is impossible to give the chicks a grass run, it was discovered a few years ago at the Maryland station that large quantities of dry wheat bran in the ration will serve practically the same purpose. The way this fact was discovered was quite accidental. Two pens of chicks, each having a large grassy run, were used in a feeding test. The pen having unlimited quantities of bran ate very little of the green food, while the pen having no bran stripped the run of every blade of the green food.

This shows that the elements contained in the green food are highly necessary to the economical development of the growing stock. There is no sense in the farmer paying high prices for wheat bran when he can supply the same advantages at a much cheaper figure in the form of unlimited alfalfa or clover range; if in a hurry for it, oats will serve very well, providing several plantings are made to supply continuous tender green plants.

Young orchards are much better for the young poultry stock than old orchards, so if you have one, do not hesitate to put out a few trees if merely to partially shade the young stock. Peach trees are especially recommended. Old orchards are apt to be too well shaded, so that they hold dew too long in the morning, keeping the grass wet or damp.

In many sections of New Jersey, especially in the well known districts there where egg farming is quite general, peach trees are planted entirely for the purpose of shading young poultry stock.

A Thermostat

How many poultry keepers have got up regularly at least once during the night for three or four weeks and visited the brooder house, to see if the stove and temperature were all right? How many more have awakened and lay wondering if a trip ought to be made to see whether the fire had gone out or a door blown open or the temperature run away up beyond comfort and safety?

Poultrymen who have undergone this ordeal will be interested in an easy "cure" for this trouble. The answer is a thermostat. Thermostats are now made that can be connected by a buzzer attachment with the house, to give warning when either too high or too low temperatures are registered. They should be a real boon to those who have stoves that are hard to regulate or easily affected by changes in direction or velocity of the wind. They should be still more of a boon to those poultry raisers whose nerves or imagination play hob with sleep.

Poultry Pointers

Strings are often a menace around poultry feeders. It pays to pick them up. If a bit of string is swallowed, it may cause digestive troubles that account for the loss of a chick. If one tries to remove a considerable length of string from the beak of a chick, it is usually fatally injured.

It is a good idea to put feeders and waterers on stands or shelves to keep dirt out of the feed and water. Old egg case ends, equipped with legs of spools or straight clothes hooks, are good to put under the small round feeders the first few weeks.

Hardware cloth is a good material to use as a guard to keep chicks out of the corners. It should be fastened, however, so there is not an open top for the chicks to crowd in, behind.

If stands for waterers have tops made of one-half-inch mesh hardware cloth, the chicks are kept drier. Change their locations often, however, in order to keep the litter thoroly dry.

It is a commendable practice to move waterers frequently, so that growth of molds under them will not be encouraged.

ATZ'S FAMOUS CHIX

Mrs. Atz Guarantees You That When Better Chix are Hatched, ATZ'S Will Hatch Them

Mrs. Atz

Flocks bloodtested for B. W. D. and typhoid fall of 1937, the most dreaded disease in baby chicks.

When Mrs. Atz was 11 years old she operated one incubator of 270 eggs, which hatched 240 fluffy Barred Rock Chix. All her neighbors marveled at this success. Our output now of 200,000 chix weekly should enable you to get service.

We hatch all Popular Varieties.

We specialize in sexing. Our sexers are very competent.

We urge you positively to get our beautifully illustrated catalog in colors before buying.

Thousands of repeated orders tell us our prices, quality and honesty are much favored.

Prices: 2½c up

ATZ'S MAMMOTH HATCHERIES, Dept. 17 HUNTINGBURG, IND.

AMAZING BIG 10-DAY CHICK SALE

3¢ ASSORTED MALES

Now! Get chicks bloodtested for B.W.D. by inspectors. Many 300 egg blood. 10 pure breeds—12 hybrid crosses to choose from. 12th year. We ship to every U. S. state—proves customer satisfaction. Tens of thousands hatching daily. We must sell them, hence these cut prices. Our loss is your gain. Why pay more? Rush order NOW. Ross Salmon, Mgr.—one of America's leading chick producers.

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Big English or American Type White Leghorns, per 100 .... $5.90

White, Barred or Buff Rocks, S. C. Reds, Buff Orpingtons or White Wyandottes, per 100 .... $6.75

Sexed Pullet Chicks. Leghorns. Per 100 .... $10.90

Heavy breed pullet chicks 2c more than unsexed

Asst. Males (our choice $3)—"H&H" Males (all heavies or hybrids) $4.50—Heavy Mixed $5.50—Light Mixed $3.50.

HYBRID CROSSES

Leghorns X Minorcas (for big white eggs), per 100 .... $5.90

Austra-Whites, Leghorns X Reds, Leghorns X Rocks, Reds X Rocks, Giants X Rocks, etc. Per 100 .... $6.95

Sexed Pullet Chicks of Leghorn crosses, $12.90 per 100. Leghorns X Minorcas, Giants X Rocks, $10.90. Red X Rocks, $7.90. Hybrid Males $5.00 to $7.90 per 100.

LAYMORE MATINGS only 1c per chick more. Super Mating (many R.O.P. and 300 egg blood) 3c more. Send cash or we will ship C. O. D. plus postage. Up to 90% sex guarantee. 100% live delivery. 15-day replacement at half price. Catalog or sale circular free. Or rush order to nearest address for quicker delivery.

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	100	500	1,000
S. C. White Leghorns—Unsexed	$ 6.95	$34.75	$ 69.50
S. C. White Leghorn PULLETS	14.95	74.75	149.50
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Reds, Orpingtons or Wyandottes—Unsexed	6.95	34.75	69.50

Heavy Assorted $5.95 Light and Heavy Assorted $3.95

MOTHER MILLER SPECIAL MATING CHICKS

S. C. White Leghorns—Unsexed	8.95	44.75	89.50
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Buff Rocks, Buff Orps. or Reds, White Wyandottes, N. Hamp.—Unsexed	8.95	44.75	89.50
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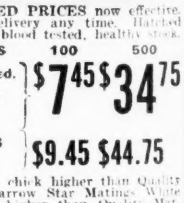
MY CHICKS GET PILLSBURY'S STARTING AND GROWING FEED FROM THE TIME THEY'RE HATCHED UNTIL THEY LAY.

If you want heavy producers in your flock this fall, buy good chicks this spring and feed them properly.

Breeding and feeding are the two most important factors in growing layers for heavy production.

Start your flock this spring on Pillsbury's All Mash Starting and Growing Feed and you can keep them on it until they are ready to lay.

It is a "balanced" food containing all of the ingredients necessary for sturdy growth, fortified with vitamins A and D and *manganese*—the modern perosis (leg weakness) preventive.



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	100	500
QUALITY MATINGS White or Brown Leghorns, Anconas, Barred, White, Buff Rocks, S. C. Reds, Buff Orpingtons, Black or Buff Minorcas, White Wyandottes	$7.45	$34.75
SPECIAL MATINGS New Hamp. Reds Jersey Wh. Giants	$9.45	$44.75

Special Matings 2c a chick higher than Quality Matings. Famous Farrow Star Matings White Leghorns 4c a chick higher than Quality Matings. We urge you to order early with 25% deposit. Order direct from this ad or send for free catalog.

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Hayes Bros. Supreme Chicks will make good money for you. Supreme livability. Supreme growth. Supreme egg production. Prompt service. Fair dealing. 40,000 customers in 43 states. 15,000 chicks hatched daily. 18 years' experience.

PRICES: NON-SEXED	100	500
White, Brown Leghorns	$ 7.95	$38.50
White, Barred, Buff Rocks	7.95	38.50
Reds, Wh. Wyand., Buff Orps.	7.95	38.50
PRICES: SEXED, Per 100	Pullets	Males
White, Brown Leghorns	$15.95	$ 3.95
White, Barred, Buff Rocks	10.45	8.45
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Add 25c in less than 100 lots. Ten other breeds; and guarantee against loss explained in catalog (on request). Postpaid 100% arrival guaranteed. Special—Mixed Sexed Heavies $5.45 per 100.

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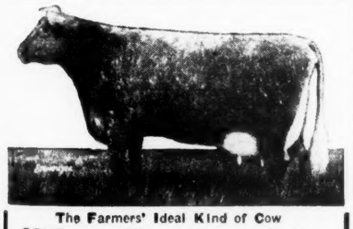

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BOWEN EXPLOSIVES MASON CITY, IOWA

Classified Ads Offer an Endless Selection

Livestock News

One of the important Angus sales this spring will be the Northern Illinois Breeders Sale, at Sterling, Ill., on April 25. For this event, they have cataloged 60 head, consisting of 10 high-class young bulls and 50 females. Kathryn Ashe lists three grand cows with calves and a choice heifer. The well known Ehler Bros.' herd sends four beautiful heifers of rich breeding and displaying real quality; two are bred, the other two sell open. Harry Eddie & Son sell a good two-year-old bull and four cows with calves sired by him. Harvey Newcomer offers one splendid bull and four females. N. Lightfoot & Son sell seven females, three cows with calves (grand matrons), three bred heifers and one excellent open heifer. The largest consignment comes from the great herd of Fay Crump, Morrison, Ill. He has listed eight most attractive bulls ready for immediate service and of the type and quality that will please. There are also two beautiful bred heifers and 21 extra choice open heifers. The number includes Juana Lassie, a grand young heifer of the celebrated Juana Erica family, and one of the best of the breed. The bloodlines and individual merit of the offering are the best ever offered in a consignment sale in this section. The catalog tells the story. It is free. Ask for it, mentioning this publication. Address F. W. Crump, sale manager, Morrison, Ill.

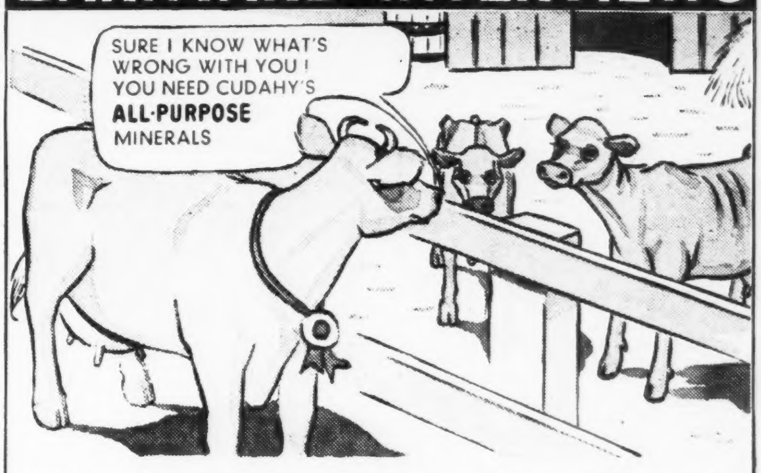
On April 21, the Northwest Iowa Polled Hereford Breeders Association will hold their nineteenth annual sale of Polled Hereford cattle. The sale will be at the sale pavilion in Le Mars, Iowa. The reputation of this association is known far and wide for the class of cattle that they sell in their annual sales, and buyers attend from a wide territory. You will have the opportunity of buying the blood of the leading sires of the Polled Hereford breed, and the cattle are in splendid condition because the members select their entries months in advance of the sale and get them in the best of shape for the sale. This is the reason why you will find buyers returning year after year to select their herd bulls or some choice females to strengthen their herds. In this sale they are selling 35 head of bulls, mostly yearlings and two-year-olds, but also a few tried sires and a number of young herd bull prospects. The critical buyer will find a wide selection to choose from. Among the females will be cows with calves at foot and rebred, bred cows and heifers and choice open heifers. Write J. E. DeJong, secretary and sale manager, Orange City, Iowa, for the free catalog. Kindly mention this paper when writing.

Congdon & Battles, of Yakima, Wash., breeders of Angus cattle, will make a complete dispersion of this long established, well known herd, at Maquoketa, Iowa, June 20 and 21. This is perhaps the largest herd of purebred Aberdeen Angus cattle in America. It is a herd that has won many of the highest honors in the leading livestock shows and exhibitions in this country. The fact that this is a dispersion, and the large number of cattle to be sold, will afford leading breeders an unusual opportunity to make admirable and profitable selections that will prove beneficial in the best herds. Those who contemplate establishing new herds will find this the opportunity of a lifetime to make selections from a herd that has been one of the leading herds for many years. It will be the largest number of purebred Angus cattle ever sold in America in one public auction. Those interested should plan well in advance to attend this great event. A sale of this magnitude is sure to contain many bargains. All those interested in good, well bred Angus cattle should plan to be present. The catalog is one of the greatest ever issued, and will be mailed only on application. Therefore, if you want to receive a copy of this great catalog, please make application early. Address, Otto V. Battles, Mgr., Congdon & Battles, Yakima, Wash. When writing, please mention this paper.

One of the great Angus offerings to be sold this year will be at Congerville, Ill., April 28, at the S. E. Lantz farm, where they have carefully selected from the large herd 46 beautiful females and 22 grand young bulls, which are ready for immediate service. This herd is well known for the production of the best the breed affords and the sort that will help to work breed improvement in our better herds. The 22 bulls afford a wide selection in a high-class sire, and many are suitable to head good herds. The females include many cows with big, lusty calves at foot, other cows forward in calf, bred and open heifers. The sires represented are unexcelled and the families are those that have helped to make history for the breed. Those in the market for a bull or foundation females cannot afford to overlook this unusual opportunity. The catalog tells the complete story. It will be sent free. Ask for it, addressing S. E. Lantz, Congersville, Ill.

The Rowe Stock Farms, Parker, S. D., will hold their annual sale of Hereford cattle on June 1. This is one of the annual sales of Hereford cattle in the northwest, and in this sale they will sell 50 head of bulls and 80 head of females. They desire that readers of Wallaces' Farmer and Iowa Homestead who are interested in the sale send their names at once for catalogs, so they will know how many to order from the printers.

BARNYARD INTERVIEWS



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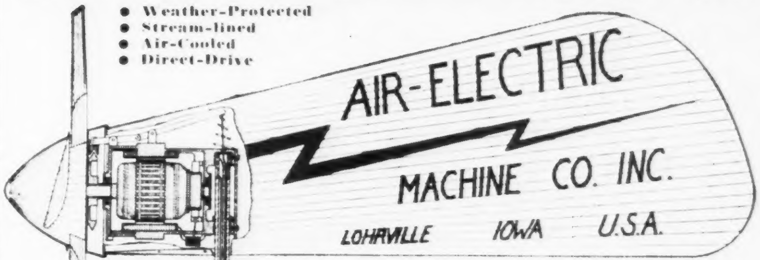

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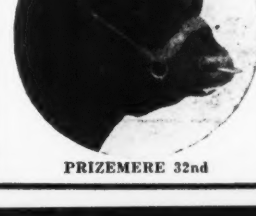
CATALOG FOR CONGDON & BATTLES DISPERSION SALE

MAQUOKETA, IOWA, JUNE 20 AND 21



PRIZEMERE 32nd

Will soon be ready to go to press. It will be an unusual catalog—something which we believe will have educational value as well as containing the pedigrees of the famous **Rosemere** breeding animals and show winners. We hope that many, at least, of those who receive it will want to keep it for future reference as well as a souvenir of the **Congdon & Battles herd** which will soon pass to other hands.

It is going to be difficult for us to give full justice in our advertising to the magnificent sale offering but we would like to say now that it will be the **largest sale of Aberdeen Angus** ever to be **held in America!** However, the catalog will tell the whole story. We must soon tell our printers exactly how many of these catalogs we are going to need and as we expect to send it **only** to those who request it, won't you please write at once if you want a **free** copy reserved for you? Address

O. V. BATTLES, Manager

CONGDON & BATTLES YAKIMA, WASHINGTON
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Selling for the leading breeders of America. Write for early dates.
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ABERDEEN ANGUS

CHOICE ANGUS BULLS

We are offering seven very choice Angus bulls for sale, sired by Prizemere 250th, and out of Blackcap, Blackbird, and Erica cows. Choicest breeding, splendid individuals, and priced right.
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Splendid two, three and four year old cows, best tribes of the breed, bred to a son of INTERNATIONAL CHAMPION BULL, calves at foot and due to calve this month. Bangs and T. B. tested. Will sell any number. Reasonable.
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I am offering 15 very choice young Angus bulls, and 10 choice heifers, sired by Randolier of Anoka 5th and Enchanter Marshall 5th. Good individuals, best of breeding and priced right. Mention this paper.
ELMER J. JOHNSON KIRON, IOWA

HEREFORDS

45 Choice Hereford Bulls 45

We are offering 45 very choice bulls coming two year olds, 46 three-year-old bred cows, 30 yearling heifers, Domino and Beau Randolph breeding. Priced to sell, in lots to suit. Mention this paper.
JOHNSON BROS. GREENFIELD, IOWA

POLLED HEREFORDS

POLLED HEREFORD BULLS

We are offering a few choice Polled bulls for sale. Also a few bred cows, sired by Iowa Ito and Junior Wonderful. These are pure bred but not recorded. Real bargains. Mention this paper.
PURCELL BROS. DENISON, IOWA

Future Livestock Sales

ABERDEEN ANGUS

Apr. 25—Northern Illinois Breeders, Sterling, Ill.; F. W. Crump, Mgr., Morrison, Ill.
Apr. 28—Simon E. Lantz, Congerville, Ill.
May 2—M. J. Krotz, Odell, Neb.
May 25—Marion County Angus Breeders, Knoxville, Iowa; Herbert Cline, Secy.
May 26—Iowa County Angus Breeders (Sale at Brookside Farm, Holbrook, Iowa); J. C. McCabe, Mgr., Williamsburg, Iowa.
June 2—Mercer County Angus Breeders Assn., Aledo, Ill.; Hugh McWhorter, Sale Mgr.
June 20-21—Congdon & Battles (Dissolution), Maquoketa, Iowa.

DAIRY CATTLE

Apr. 16—Paul W. Rolfsmeier, Fremont, Neb. (Holsteins and Guernseys).

DAIRY COWS

May 5—Special Dairy Cow Sale, at Iowa-Nebraska Sale Yards, Council Bluffs, Iowa; H. C. McKelvie, Mgr.

DUROC JERSEYS

May 2—Chas. L. Berry, R. 6, Iowa City, Iowa.

POLLED HEREFORDS

Apr. 21—Northwestern Iowa Polled Hereford Breeders Assn. Sale, at Le Mars, Iowa; J. E. DeJong, Sale Mgr., Orange City, Iowa.

HEREFORDS

Apr. 27—A. J. Mettler, Menno, S. D.
June 1—Bones Stock Farm, Parker, S. D.

POLLED SHORTHORNS

June 16—Illinois Polled Shorthorn Breeders, Springfield, Ill.; Hal Longley, Sale Mgr., 37 Island Ave., Aurora, Ill.

MILKING SHORTHORNS

Apr. 28—Breeders Consignment Sale, Des Moines, Iowa; Roy A. Cook, Sale Mgr., Independence, Iowa.
Apr. 30—A. C. Shallenberger Estate, Alma, Neb. (Dispersion.)

SHORTHORNS

May 4—Missouri Shorthorn Breeders Assn. Sale, Columbia, Mo.; James E. Comfort, Secy.
May 28—Geischecker Bros. (Dispersion Sale), Livermore, Iowa.
May 31—R. C. Booger, Salisbury, Mo.
June 6—Edellyn Farm, Wilson, Ill.
June 11—Wm. E. Thede (Dispersion), Dixon, Iowa; sale at Fair Grounds, Davenport, Iowa.
June 13—Sni-A-Bar Farms, Grain Valley, Mo.
June 15—Bellows Bros., Maryville, Mo.
June 17—Illinois Shorthorn Breeders, Galesburg, Ill.; Hal Longley, Sale Mgr., 37 Island Ave., Aurora, Ill.
June 25—C. F. Curtiss, Ames, Iowa.
June 27—Marion County Shorthorn Breeders, Knoxville, Iowa; J. M. Davis, Secy.
June 28—Marshall County Breeders Sale, Marshalltown, Iowa; Geo. H. Lewis, Mgr.

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J. E. HALSEY — Eastern Iowa and Illinois. Care Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Livestock News

Krotz Stock Farms, Odell, Neb., will hold their annual spring auction of Aberdeen Angus cattle on Monday, May 2. They are selling 50 head in this sale, all sired by Evidence of Strathmore, their great herd sire. He is by Revolution 81st, many times champion and grand champion at leading fairs, and he by Blackcap Revolution, sire of three International grand champion sons. The dam of Evidence of Strathmore is Evince, one of the best cows ever in the Escher & Ryan herd, a daughter of Earl Marshall. In the sale will be 15 head of bulls, and they are all real herd bull prospects, good enough to go into any herd. The cows and heifers offer a wide selection for the man who is starting a new herd or for the established breeder to improve his herd. You are going to see a bunch of heifers all sired by Evidence of Strathmore, uniform in type and conformation, that should command the attention of all cattlemen who are looking for heifers above the average. The catalog will be sent free for the asking, and gives full details of the offering. When writing for it, kindly mention Wallaces' Farmer and Iowa Homestead.

On April 27, Albert J. Metler, Menno, S. D., will hold his postponed public sale of Hereford cattle and Percheron horses, and the sale will be held in town. There will be 17 bulls in the sale, seven from the Metler herd and five from the Chris Handel herd, also five from the noted herd of Joe Rezac, at Tabor, S. D. Mr. Metler is selling 20 head of well bred cows, of the Domino, Bright Stanway and Beau Blanchard bloodlines, and these are very choice and of the type that present-day breeders are wanting. These cows are all in calf to S. D. Domino Lad 11th, a most excellent bull. He is selling eight head of yearling heifers and seven calves. He also sells four outstanding Percheron stallions. One of these is his five-year-old Maple Grove Chadwick 2d, a grand champion at the Illinois State Fair. The younger stallions are also prize winners, and they are good. Chris Handel, of Menno, is selling five good young Hereford bulls, all sired by Anxiety Domino, and they are good. Joe Rezac, Tabor, S. D., is selling five good two-year-old bulls sired by WHR Young Domino 38th and Advance Domino. Among these are some outstanding herd bull propositions. Write Albert J. Metler, Menno, S. D., for catalog, and please mention this paper.

On next Saturday, April 16, Paul W. Rolfsmeier, Seward, Neb., will hold a sale of 70 head of Holsteins and Guernseys at the Taylor & Wells sale pavilion, in Fremont, Neb. He is selling 70 head, and there will be quite a number of fresh cows, heavy springers and the balance will be heifers. This is a high-class lot, testing up to 650 pounds of butterfat, and those of our readers interested in dairy cattle should attend this sale. Fremont is just 36 miles west of Omaha, on a paved highway.

The Milking Shorthorn breeders in the section of Des Moines will make a consignment sale at the state fair grounds at Des Moines, Thursday, April 28. For this event, they have consigned 50 of the most desirable cattle. The number includes nine bulls and 41 females, among which will be found several in milk, others that will freshen soon, bred and open heifers. They come from the best herds in this district. Those in the market for something desirable should plan to attend this auction. The catalog will be sent free. Apply at once, addressing, Roy A. Cook, sale manager, Independence, Iowa.

Chas. L. Berry, R. 6, Iowa City, Iowa, breeder of high-class Durocs, will make a sale of 70 head of choice Durocs at his farm, southeast of town, May 2. This will be one of the good opportunities of the season to secure some well bred Durocs. Plan to attend.

J. W. Ross & Son, Gray, Iowa, are offering 20 head of Polled Hereford bulls at private sale. These are of Prince Domino breeding and are good enough to head any herd. We suggest that you go and see these bulls; they are priced to sell.

Those of our readers who are in the market for Brown Swiss cattle should get in touch with August Reyelts, Hull, Iowa. He is offering both bulls and females, and at very attractive prices. He owns one of the very best herds in Iowa. Kindly mention this paper when writing him.

THINGS YOU WANT TO KNOW

Booklets put out by manufacturers in their special fields make a wonderful supplement to the experiment station bulletins on subjects in which farmers are interested. From the list below, check any booklets you desire, and they will be sent to you free of charge. Sign your name and address plainly and mail to Free Booklet Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

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......How to Raise Strong, Healthy Chicks
......Lubrication Recommendations
......Worm Control
......Turkey Health News
......Fowl Pox Vaccination
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......Today's Farm
......Poultry Health Manual
......Poultry Management Book
......Oil Comes to the Farm
......If Your Soil Could Talk to You
......Double Profits from Legumes
......Building Soils for Cotton and Corn
......Peas for Profit
......Truth About Cream Separators
......32-page Electric Fence Book
......Silo Catalog
......How to Get More Tractor Power
......Silo Construction
......Hybrid Seed Corn
......It's Total Power Cost That Counts
......The Mineral Needs of Cattle, Sheep, Swine and Poultry
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......Corn Culture Booklet
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......Modern Haying
......Farm Seed Catalog
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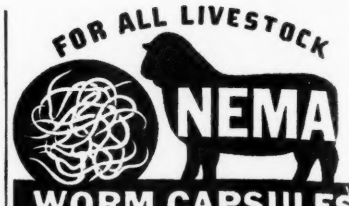
Name .... R. F. D. ....

Town .... **State** ....



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IOWA CITY, IOWA, MAY 2d

70 HEAD 15 fall boars, 20 open fall gilts, 6 sows, 30 spring pigs, several real show litters.

Some of the best breeding the breed affords. It is a genuine lot of high class Durocs. Plan to COME.

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Choice Shorthorn Bulls and Heifers

Now offering at private sale ten head of ... young heifers from 14 to 18 months and ... real herd bull prospects from 12 to 18 ... Sired by Baronet Jr. and Cups Monarch. ... see these before you buy. Attractive prices.

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12 choice fall boars by son of Iowa ... son of G Man out of Good Fortune, Fire K... master, all type and High Lad Dams. ... yearling herd boar. Write or visit our ...
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Hereford Hogs—Fifteen choice selected ... boned low down easy feeding 200 to 250 ... boars. Will cross well with any breed of ... produce white faces. We ship C.O.D. ... Free literature. Sows for July farrow. ... folk rams and Karakul Fur sheep rams.
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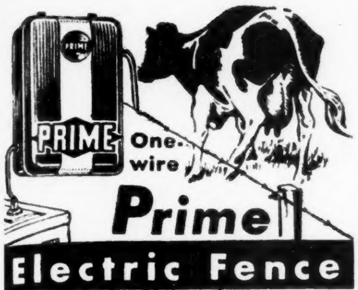
STALLIONS AND MARES FOR SALE. Oakdale Farceur, the greatest breeding son of Farceur, heads our stud. Our Belgians are noted for their quality, size and substance. Visitors welcome.
C. G. GOOD & SON OGDEN, IOWA

Choice Belgians

A number of sorrel stallions of breeding ... mares with foals at side and mares in foal to MASTER FARCEUR. Priced to sell.
JOHN SIEHL & SON GRINNELL, IOWA

See the Bargains on Our Classified Pages



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New Prime is a finely-built instrument. Holds livestock effectively under all soil conditions, wet, dry, normal. Amazing Prime Moto-Chopper makes battery current effective with slight battery drain. Moto-Chopper split-second timing makes light-socket fencing safe. Prime, original successful electric fence, in use 7 years, boosted by 40,000 leading farmer users. $7,500 Lloyd's insurance policy. Learn how to do a real electric fencing job—safe and effective. Write for free 32-page colorful book. The Prime Mfg. Co., 1517 S. First St., Milwaukee, Wis. Established 1914.

Fence "Meterlite" shows when current is on or off fence.

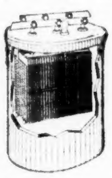
Only 50c per pig treats for 6 MONTHS

Healthier pigs . . . Faster Growth . . . BIGGER PROFITS repay many times what you invest in MASTER Liquid Hog Medicine to keep pigs worm-free, healthy and thriving. Thousands of users can tell you so. Make hog money with the best of them this easy way. Scientifically compounded—farm tested—guaranteed—radio advertised. FOR SALE BY ALL AUTHORIZED MASTER DEALERS. If your dealer can't supply you, order direct: 2-gal., $8; 5-gal., $12.50, prepaid.

DEALERS and AGENTS: Get Special Offer!

MASTER LABORATORIES INC.

Dealers and Agents: Get Special Offer!
2628 N. ST. OMAHA, NEB.



World's Largest Storage Batteries for Wind-Electric Plants.

Stored electric service up to 30 days without recharging. Guaranteed 10 years. DEALERS WRITE. Free folders.

Jumbo Battery Mfgrs.
ELLSWORTH IOWA

Wallaces' Farmer and Iowa Homestead classified ads put you in touch with a market for farm land that can be reached no other way.

Livestock News

A most hardy sort of grazing dairy cattle will be found in the Ayrshire breed, which display excellent udders and are the type and quality that strongly appeal to our best dairymen. The Ayrshire Breeders Association, 47 Center street, Brandon, Vt., will be glad to mail free information on the breed.

J. Russell Currier, Mason City, Iowa, breeder of Bates Milking Shorthorns, has one of the intensely bred Bates herds of the breed, and now offers some very desirable young bulls and a few females. They are sired by high-class sires and have some excellent records. You will find them priced reasonably.

W. H. Cooper, Hedrick, Iowa, breeder of high-class Angus cattle, offers 25 well bred, choice Angus cows, two, three and four years old, bred to a son of an International grand champion, at attractive prices. Many will calve soon. All T. B. and Bang's tested and priced reasonably. Will price any number. Write at once.

Carl H. Gocken, Atlantic, Iowa, owner of Braemoor Herefords, is offering a wide selection of yearling bulls at private treaty. These are splendid individuals and ready for service. If you are looking for quality Hereford bulls, you had better see these before you buy. He is pricing them to sell, so don't delay. Either write or go and see him. Be sure to mention this paper when writing.

The Elm Valley Farms, owned by C. H. Spurgeon & Sons, held a most successful jack sale at Williamstown, Mo., March 7. The top was Spurgeon's Mammoth, selling for $1,005 to W. O. Baird, Murphysboro, Tenn. The six jacks, four years old and over, averaged $337; six coming three-year-old jacks averaged $525, and nine coming two-year-olds averaged $302. The top jennet sold for $220.

Fifteen well bred Whiteface Hereford fall boars are advertised for sale by Henry Wiemer, Diller, Neb. Mr. Wiemer owns probably the best herd of Hereford hogs in this country, and he has good boars for sale. He also offers Suffolk rams and Karakul rams. Read his advertisement in this week's issue and write him at once. Please mention this paper.

If any of our readers are after a Spotted Poland China fall boar pig, they should go and see F. L. Jackson, Yetter, Iowa. He has a large selection of those good, thick ones to pick from, and he is pricing them worth the money. His farm is located on Highway 20, ten miles west of Rockwell City and ten miles east of Sac City.

Fifteen very choice young Aberdeen Angus bulls are advertised for sale by Elmer J. Johnson, Kiron, Iowa. These are bred in the purple, good individuals, and priced to sell. He also offers 10 very choice young heifers. Please mention this paper.

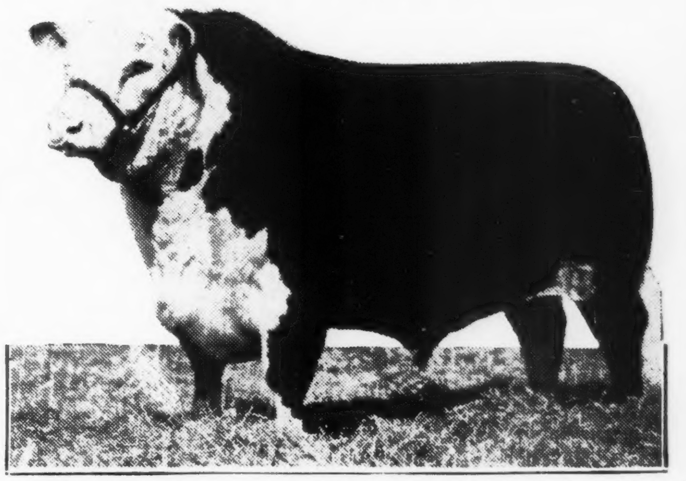
NINETEENTH ANNUAL SALE

NORTHWEST IOWA POLLED HEREFORD BREEDERS ASSOCIATION

POLLED HEREFORD CATTLE

35 BULLS 20 FEMALES

LEMARS, IOWA, APRIL 21, 1938



CONSIGNERS—P. M. Christenson & Son, Lone Rock, Iowa; J. L. Curran, Mason City, Iowa; J. E. DeJong, Orange City, Iowa; P. H. Ginsbach, Dell Rapids, S. D.; W. H. Hammans, Winterset, Iowa; E. P. Kallsen, Arthur Kallsen, Struble, Iowa; Ed Krise, Rock Rapids, Iowa; Robert Larson, Beresford, S. D.; Fred Metzger, Larchwood, Iowa; Peter Mouw & Co., Orange City, Iowa; Peter Raak, Orange City, Iowa; Julius Thoene & Son, Bonesteel, S. D.; Fred VanderHamm, Ireton, Iowa, and Wm. S. Westcott & Sons, Denison, Iowa.

The cattle we are selling in this sale are of the same high class that have been sold in our previous sales. They have been selected for quality and individuality. The breeding is unexcelled in Polled Hereford bloodlines. The bull end of the offering consists of mostly yearlings and two-year-olds but there are several proven tried sires and a number of young bulls. We believe we are selling more real herd bulls in this sale than has ever gone through any of our sales. The female offering will consist of cows with calves at foot and rebred again, bred cows and heifers and choice open heifers. You are going to have the opportunity of buying the blood of the greatest sires in Polled Hereford breed in this sale, so make your plans now to be present. Write for the free catalog which gives full particulars. Kindly mention Wallaces' Farmer & Iowa Homestead when writing. Address

J. E. DE JONG, Secretary and Manager — **ORANGE CITY, IOWA**
Col. M. H. Cruise, Auctioneer — M. T. White, Fieldman

Lantz Angus Sale

Sale at farm, midway between Peoria and Bloomington, Ill., on highway No. 150.

CONGERVILLE, ILLINOIS
THURSDAY, APRIL 28th

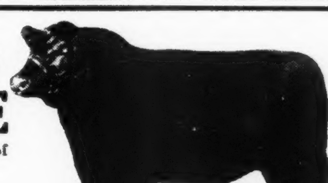
68 HEAD 22 Grand Young Bulls / 46 Excellent Females

One of the greatest lot of Angus cattle that have been produced at this long-established farm. About seven cows sell with big lusty calves at foot, a dozen close to calving and any number of beautiful bred and open heifers. This is the place to secure a few of the celebrated Lantz Blackcap tribe. The calves will be sired by Energy Marshall 2d, Bean of St. Albans and Revolution 106th. Much of their get is in the sale. An array of sires unequalled. The twenty-two bulls are a high-class lot all ready for immediate service and all by leading sires. They display rare type, plenty of smoothness, with good heads and the best of quality. Many are herd headers suitable for the best herds. The blood lines in the offering include, Lantz Blackcap, Evergreen Elslow Erica, Enchantress Erica, Glencarnock Elba, and others, the best the breed affords. You will like the offering, plan to come! Ask for the FREE catalog, write mentioning this publication, address,

S. E. Lantz, Congerville, Illinois

AUCT. W. H. COOPER — J. E. HALSEY, Fieldman

Northern Illinois BREEDERS SALE



At Sale Pavilion. Only 20 miles east of Clinton Iowa.

STERLING, ILL.
Monday, April 25th

60 HEAD 10 big rugged bulls / 50 desirable females

One of the strong offerings presented in Illinois in recent years in a consignment sale. They have been selected from the leading herds which are as follows:

Kathryn Ashe, Sugar Grove, Ill.	Ehler Bros., Lamoille, Ill.
Harry Eddie & Son, Erie, Ill.	Harvey A. Newcomer, Mt. Morris, Ill.
N. Lightfoot & Son, Winnebago, Ill.	Fay Crump, Morrison, Ill.

The blood lines are some of the best and they are sired by a number of the foremost bulls of the breed. The catalog tells the complete story and will be mailed FREE—ask for it.

F. W. CRUMP, Sale Mgr., MORRISON, ILL.

Auct. W. H. Copper — J. E. Halsey, Fieldman

ALBERT METTLER'S SALE

HEREFORDS---PERCHERONS

17 BULLS—33 FEMALES—50 HEAD

MENNO, SOUTH DAKOTA, APRIL 27, 1938

I am selling 20 cows, all ages, all in calf to S. D. Domino Lad 11th, by W. H. R. Young Domino 38th, fifth prize senior bull calf at Kansas City, eight head of yearling heifers, selling open, by a grandson of Super Domino by Prince Domino, and seven head of bull calves by the same sire as the heifers. One of the outstanding bull calves is Super Domino 3d and Super Domino 2d, the former out of a Beau Blanchard cow. Both herd bull prospects. Also five head of heifer calves, for 4-H club work. Eleven head of cows by a Bright Stanway bred bull. Also some good Repeater and Beau Blanchard bred cows. Low set, thick and good headed. I am also selling

FOUR OUTSTANDING PERCHERON STALLIONS from one to five years old, all blacks, sired by Maple Grove Chadwick 2d, a grand champion at Illinois and Iowa state fair.

Christ Hamiel, Menno, South Dakota, is selling five head of short yearling bulls, good low set type, and sired by Anxiety Domino, and out of his best cows.

Joe Rezac, Tabor, South Dakota, is consigning five good two-year-old bulls, two by W. H. R. Young Domino 38th, and three by Advance C. Domino. One of these, S. D. Domino Lad 27th, is a real herd heading prospect. Write for catalog at once and please mention Wallaces' Farmer and Iowa Homestead. Cattle all tested for T. B. and Bang's disease. Shipped anywhere. Address

ALBERT METTLER, MENNO, SOUTH DAKOTA

Cols. A. W. Thompson and E. W. Asenbray, Auctioneers — M. T. White, Fieldman

KROTZ ANGUS SALE

(Located south of Lincoln, at farm adjoining)

ODELL, NEB., MONDAY, MAY 2, 1938

60 HEAD 15 Choice Young Bulls / 45 Outstanding Females

Fifty sons and daughters of EVIDENCE OF STRATHMORE 467200, considered to be the best lot of young bulls and heifers offered in one sale sired by one outstanding herd bull. EVIDENCE OF STRATHMORE is sired by Revolution 81st, a son of Blackcap Revolution, a sire of three International grand champions. The dam is one of the outstanding daughters of the famous Earl Marshall. EVIDENCE OF STRATHMORE is considered one of the greatest sires of the middlewest. Herd bull prospects are plentiful and heifers suitable for show and foundation purpose. The entire offering is strong in the blood of EARL MARSHALL, BLACKCAP REVOLUTION and McHENRY breeding. Ask for the FREE catalog. Address

KROTZ STOCK FARMS — **ODELL, NEB.**

Jos. Krotz, Auct. A. W. Thompson — M. J. Krotz. M. T. White and J. E. Halsey, Fieldmen.

Holsteins and Guernseys

70 Head High Class Cattle 70

Fremont, Nebr., April 16, 1938

Taylor & Wells Sale Pavilion

This is strictly a high class lot of Holsteins and Guernseys, testing up to 650 lbs. Butter fat. This offering consists of fresh cows, heavy springers and a choice lot of heifers. If you are looking for good Holsteins and Guernseys we certainly have them for you in this sale. Fremont is 36 miles west of Omaha on paved highway. Sale pavilion two blocks south of Union Pacific depot. For further information write

PAUL W. ROLFSMEIER — **SEWARD, NEB.**
A. W. Thompson, Auctioneer — M. T. White, Fieldman

OUR READERS MARKET

The Place to Sell What You Have and Buy What You Want

Rates and Information

Our classified advertising rate, **without display type or illustration,** is 15 cents a word per insertion, for one, two or three insertions; 12 cents a word per insertion where same ad runs four or more consecutive times. **Send full remittance with each order. If advertisement contains less than 14 words, remittance should be for $2.10 per each insertion.**

Count each whole number, initial and sign as a word. Count your name and address as part of the ad. Thus, "F. L. Wires" is counted as three words. "226 West 21st St." is counted as four words, and "Des Moines, Iowa" is counted as two. "$1" and "$5,432,000" are each counted as one word.

"C. O. D." counts as three words; "R. F. D. 4" counts as four words; "R. 4" as two. **Ads must reach us by Wednesday noon, ten days before issue date.**

If you have not advertised with us recently, be sure to give two references. This is for your own protection. One should be your banker and the other some responsible business man. To avoid delay, send letters of recommendation with your order. Write or print your ad plainly.

For your convenience in figuring, the following table gives the cost of most desirable advertisements for various insertions:

Words	Number of Insertions				
	1	2	3	4	6
14	$ 2.10	$ 4.20	$ 6.30	$ 6.72	$10.08
21	3.15	6.30	9.45	10.08	15.12
28	4.20	8.40	12.60	13.44	20.16
35	5.25	10.50	15.75	16.80	25.20
42	6.30	12.60	18.90	20.16	30.24
49	7.35	14.70	22.05	23.52	35.28
56	8.40	16.80	25.20	26.88	40.32

AUCTIONEERS

$200 DAY AUCTIONEERING. AMERICA'S leading auctioneers teach you. Students sell actual sales during term. Our graduates are successful. Term soon. Free catalog. Reisch Auction School, Austin, Minnesota.

BE AN AUCTIONEER. A PLEASANT AND pofitable occupation. Send for free catalogue. Also how to receive Home Study Course. Fred Reppert School of Auctioneering, Box 8, Decatur, Indiana.

SAVE DELAY, MONEY, INCONVENIENCE. Private, personal instruction. Address, Duncan's National Auction School, Creston, Iowa.

AMERICAN AUCTION COLLEGE KANSAS City, 33rd year, 4,200 graduates, 555 Auction Savings $1.

BUSINESS OPPORTUNITIES

BIG MONEY IN PORTABLE FEED GRINDING. Open winter, heavy feeding, and big grain crop assures steady profitable business. You can secure new Big Champion Feed Mill on convenient payment plan. Also good rebuilt mills available. Write Champion Portable Mill Company Minneapolis, Minnesota.

COMMISSION HOUSES

YOUR BROILERS AND OTHER POULTRY, also eggs and dressed veal, will bring more money when shipped to Karsten & Sons. We have been getting top prices for our customers over forty years. Checks mailed same day shipment arrives. Market reports Free. Karsten & Sons, Dept. 2-38, 1100 Fulton Market, Chicago.

WANTED — LIVE AND DRESSED POULTRY and veal. Highest possible prices paid. Write for information and tags. Drake & Bonfield, 940 Fulton St., Chicago.

FOR HIGHEST PRICES ON DRESSED TURkeys, capons, rabbits, eggs, and veal, ship to Coyle Commission Company, Chicago, Illinois.

HIGHEST CASH PRICES PAID AT ONCE FOR new Goose-Duck feathers. West Chicago Feather Company, 3536 Ogden Ave., Chicago, Illinois.

CREAM BUYERS

ATTENTION, CREAM SHIPPERS! SHIP US your cream. Forty years honest dependable service. Galva Creamery Company, Galva, Illinois.

WHOLESALE BUYERS

NEED ALL VARIETIES LIVE POULTRY. PREmiums paid. Coops supplied. Dressed veal, checks mailed daily, less 5 per cent discount. Wholesale Buyers. Write us. D. J. Homman Company, 127 South Water Market, Chicago.

DOGS AND PET STOCK

GENUINE ENGLISH SHEPHERD PUPS, GOOD farm dog. (Heelers.) (Year's trial.) (Guaranteed.) Training instructions. (Several partly trained.) Emil Runft, Reinbeck, Iowa.

GENUINE ENGLISH SHEPHERD PUPS—THE best farm dog—guaranteed heelers—year's trial—training instructions. Highview Kennels, Cedar Falls, Iowa.

SHOMONT COLLIES. WORKERS, COMPANions and guards. Also wire fox terriers. Shomont, Monticello, Iowa.

COLLIES—MAKE MONEY WITH PEDIGREED Collies, useful, beautiful, dependable, profitable. Box 1128, Boston, Massachusetts.

EIGHT MALE PUPS, GOOD FARM DOGS, heelers, $3.50 each. Herman Gatto, Charter Oak, Iowa.

HAWKEYE KENNELS TOY MANCHESTER black and tan rat terriers. J. A. Penn, Alta, Iowa.

EDUCATIONAL

WANTED IMMEDIATELY, MEN-WOMEN, AGE 18 to 50, qualify for U. S. Government Jobs; commence $105-$175 month. Common education sufficient. Valuable information Free. Write, Instruction Service, 384, St. Louis, Missouri.

TRAIN FOR A JOB WITH A REAL FUTURE. Learn Auto Mechanics, Diesel Mechanics, Welding or Top and Body Repair. Practical training, no books. Free catalog. Hanson Auto School, Box 1780-H, Fargo, North Dakota.

DIESEL TRAINING COURSE, $35. WITH Caterpillar Operation. American Technical Institute, Box 59, Airport, Des Moines, Iowa.

AVIATION

GET INTO AVIATION. AIR TRANSPORT pilots get up to $6,000 per year, mechanics $2,500. Learn at this government approved school. Write for complete information. State age. Lincoln Flying School, 2942 Aircraft Bldg., Lincoln, Nebraska.

Buy and Sell Through Our Classified Ads

FARM LAND

FARM BARGAINS, EASY TERMS. THE FEDeral Land Bank of St. Louis offers you bargains in farm lands on easy terms as low as ¼ cash, rest in 20-year loan at 5 per cent. No trades! These are typical: 120 acres, Adair County, Missouri, 1½ miles to Millard; on a public road, 1½ miles to U. S. Highway No. 63; school and church at Millard; 5-room house, barn, poultry house, shed; watered by well and cisterns; gray silt loam, lies gently rolling; 42 acres tillable, 72 acres pasture, 6 acres waste; $3,000. 172 acres, Scotland County, Missouri, 7 miles to Baring; on graveled State Highway No. 15; 1½ miles to school and church; R. F. D., telephone and school bus; 6-room house with summer kitchen, barn, 2 poultry houses; watered by well, springs, cistern and creek; brown silt loam; lies gently rolling, 80 acres tillable, 85 acres pasture, 7 acres timber; $6,000. If you prefer to locate in certain counties in Illinois, Missouri or Arkansas, name them when you write. We will send you lists of the farms for sale in those counties, or, if you prefer, we'll gladly show them to you. The Federal Land Bank of St. Louis, St. Louis, Missouri.

READ! The Sales Division of the Dept of Rural Credit (*a department of the government of the State of Minnesota which is now being liquidated*) **has about 4,000 farms which must be sold. Prices adjusted to present values. 15% cash down payment, bal**ance on easy terms. 4% INTEREST. Many on Crop Payment plan. Every farm for sale, none reserved. Free field service to buyers. For lists address

Dept. of Rural Credit, Sales Division
Dept. V, 2651 University Ave., St. Paul, Minn.

FARMS THAT PAY IN THE GREAT NORTHern Railway Agricultural Empire, Minnesota, North Dakota, Montana, Idaho, Washington, Oregon. Fertile black soil, high production crops, grain, fruit, vegetables, feed and livestock. Many kinds of farms for selection. Write for book on state you prefer. E. C. Leedy, Dept. 407, Great Northern Railway, St. Paul, Minnesota.

GET A FARM ON THE SOO LINE IN NORTH Dakota or northern Minnesota. Conditions never better to buy good land at prices that will never be lower. Crop payment plan or easy terms. Say which state interested in. Ask about reduced rates. Send for information to R. S. Claar, No. 9, Soo Line Ry. Company, Minneapolis, Minnesota.

WISCONSIN HAS MUCH TO OFFER THE farm family. Low taxes, good schools, best of roads, community halls, co-operative marketing, and 40 and 80 acre farms at prices as low as $500 to $1,650 on liberal terms. Write for bargain list. Ojibwa Sales Company, Ojibwa, Wisconsin.

LET US TELL YOU ABOUT WASHINGTON: And the Columbian Basin, where 1,200,000 acres will be Irrigated and provide homes for 40,000 farm families. Investigate now. Columbia Basin Realty Company, Ephrata, Washington.

MINNESOTA LAND FOR SALE. FINE LAND, good roads, near markets, $5 per acre. Partially improved land $7.50 per acre. Easy terms. Send for free folder. Winona—St. Peter Land Company, 360 Robert St., St. Paul, Minnesota.

BARGAINS IN LAND! WHERE CROPS ARE dependable. Washington, Minnesota, Montana, Idaho, Oregon and North Dakota. Literature. Impartial advice. Specify state. J. W. Haw, 34 Northern Pacific Ry., St. Paul, Minn.

READY NOW! BIG NEW SUMMER CATALOG up-to-the-minute farm bargains, 10 states, many with crops growing, livestock, tools included. United Farm Agency, WF-428 BMA Bldg., Kansas City, Missouri.

CANADA — UNUSUAL SETTLEMENT OPPORtunities. Land prices greatly reduced. Improved farms sold crop payment plan. Canadian Pacific Railway, 309 Union Station, St. Paul, Minnesota.

CENTRAL MINNESOTA LANDS! FREE LIST Murray's Land Office. (Established 1880.) Wadena, Minnesota.

LARGE NUMBER FARMS, HUBBARD AND Cass Counties, for sale. G. A. Fuller, Akeley, Minnesota.

FARM MACHINERY

CREAM SEPARATORS. BIG APRIL FACTORY [illegible] sale. Famous Galloway ball bearing [illegible] cream separators, 7 sizes. Hand, electric or power; floor or bench model. 30 days trial. Stock must be moved quick. Extra big bonus allowance for your old machine. Write quick. Tell how many cows you milk, what kind old machine you have. Get our Special Sacrifice Offer, cash or terms. Also Lotory bargain prices Galloway Flexible Harrows, Spreaders, Engines. The Galloway Company, Inc., Box 208 C, Waterloo, Iowa.

THREE NEW LOWDOWN PORTABLE FEED Mills. Three rebuilt Portable Feed Mills. New and used Stationary Hammer Mills. V Belt drives. Full line repairs for Bowell Mills. Full line repairs VKF. Waukesha Motors. Screens for all makes Hammer Mills. Iowa Portable Milling Company, D. Dwyer, Mgr., Oelwein, Iowa.

FARM MACHINERY

FORDSON OWNERS

We carry complete stock of genuine Fordson parts. Don't be misled, our prices are lower. Fordsons after 1930 can be converted to row crop type. Write for information. Farm Tractor & Equipment Company, Authorized Distributors, 1300 Walnut Street, Des Moines, Iowa.

LOWEST PRICES NOW. CHAMPION PERMAnent silos $150 up. Will last lifetime. Also Champion Round Corn cribs and Grain Bins will save and protect your crop. Write quick for April sale offer. Western Silo Company, Dept. 14, West Des Moines, Iowa.

NEW! FARMER'S FRIEND MANURE LOADER. Quickly attached to F20, F30 Farmall or Deere A tractors. Belt-driven lift. Gravity release. Fork or scoop. 50 loads per day easy. Free circular. G & D Manufacturing Co., Streator, Illinois.

FOR SALE: 4 PORTABLE MILLS, 4 SHELLERS, 2 milkers, 1 stone crusher, 3 oat hullers, 8 threshers, 1 clover huller, 2 elevators, 18 tractors, 1-20 crawler, 1-60 horse tractor, etc. Mielke, New Hampton, Iowa.

U. S. INVINCIBLE GRAIN BLOWER NEEDED at threshing time. Unequaled for loading grain into bins or cars. Price only $80. Free illustrated circular. U. S. Wind Engine & Pump Company, Batavia, Illinois.

NEW 1000 POUND AMERICAN CREAM SEParator $85. Guaranteed in every respect. 5 per cent discount given on all orders received in the next thirty days. Write D. Dwyer, Oelwein, Iowa.

HEAVY DUTY, ALSO GOOD HARVESTER CANvases. Hard surfaced Rasps for Tooth cylinders and other combines. Baldwin repairs. V belts. Ball and Roller bearing. Richardson, Cawker, Kansas.

FARM ELEVATORS — 9 STYLES GENUINE Meyer Bucket Elevators. Double strength malleable and roller chain. Free crib plans and catalog. **Meyer Mfg.** Company, Box 65, Morton, Illinois.

FARM ELEVATORS—FREE CRIB PLANS AND catalog on "New Morton" Heavy Duty Bucket Elevators. Original roller chain. Many styles. Morton Products Company, Box 413 Morton, Illinois.

FARM ELEVATORS—EASY PULLING PORTable and inside cup. Write to the G. & D. Manufacturing Company, Streator, Illinois, for free booklet and crib plans.

RAISE SOYBEANS WEED FREE WITHOUT expensive machinery. Use Lenz Corn Planter attachment. Write for literature to Lenz & Company, Paullina, Iowa.

WRITE FOR OUR 1938 FREE CATALOG OF used tractor parts; New lugs, parts. Satisfaction guaranteed. The Central Tractor Wrecking Company, Boone, Iowa.

ROTARY SCRAPERS—GUIDES—FOR TRACtor. Free trial. Get special factory price. Duplex Mfg. Company, Dept. 42, Omaha, Nebraska.

HAMMER GRINDER SCREENS—ANY MAKE. Low prices—quick shipment. Write York Foundry, York, Nebraska.

HELP WANTED

MALE

WALLACES' FARMER AND IOWA HOMEstead has openings for several men with sales **ability who will work hard for a good income. A car** is necessary to carry on this work. Write—Circulation Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

FEMALE

SPECIAL WORK FOR HOUSEWIVES—EARN to $23 weekly and your own dresses Free. No canvassing, no investment. Write fully giving age and dress size. Fashion Frocks, Dept. CC-1073, Cincinnati, Ohio.

IF YOU AGREE TO SHOW YOUR FRIENDS, I will send you actual sample Snag-Proofed silk hosiery and show you how to earn up to $22 a week. American Mills, Dept. E-39, Indianapolis.

SALESMEN

REAL OPPORTUNITY FOR HONEST DEPENDable farmer agents and dealers to sell Funk's Hybrid seed corn. Part or full time. Must have car. Several part time agents made over $1,000 this season. Write Funk Bros. Seed Company, Bloomington, Illinois.

PERSONALS

FAIRMOUNT MATERNITY PRIVATE HOSPItal. Seclusion. High grade maternity service for unmarried girls. Low rates. Working reduces expenses. Desk 1-M, 1414 E. 27th, Kansas City, Missouri.

EASTSIDE MATERNITY HOSPITAL HOMElike seclusion for unmarried girls. "Lowest Rates." State licensed. Working reduces expenses. Confidential. 4911 E. 27th, Kansas City, Missouri.

USE THIS ORDER BLANK NOW

TO MAIL YOUR CLASSIFIED AD FOR WALLACES' FARMER AND IOWA HOMESTEAD

Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

Gentlemen: Run my ad as follows..............................times in your paper. Remittance for $......................is enclosed.

(PLEASE PRINT ENTIRE AD TO AVOID MISTAKES)

....

....

....

....

Name ....
(Count as part of ad)

Address ....
(Count as part of ad)

RATES AT TOP OF PAGE. MINIMUM CHARGE, $2.10.

LIVESTOCK

SHORTHORN BULLS AND POLAND CHINA fall boars, also gilts, quality second to none, priced to sell. Chas. F. Schrunk, Mapleton, [illegible]

BEEF CATTLE

AT AUCTION JUNE 1st—160 HEAD OF HIGHest quality registered Herefords. Catalog [illegible] on request. Bone's Stock Farms, Parker, South Dakota.

EIGHT GOOD REGISTERED HORNED HEREford bulls for sale. Good ages. [illegible], Princeton, Missouri.

FRESH AND HEAVY-SPRINGER GUERNSEY cows, big, fawn and white. Fred [illegible], Chariton, Iowa.

OFFERING SOME CHOICE POLLED HEREford bulls and some heifers. Axel [illegible], Manson, Iowa.

CHOICE POLLED SHORTHORN BULLS FROM good milking dams. Philip Johnston & Sons, Blencoe, Iowa.

POLLED HEREFORD BULLS AND HEIFERS. 10 to 20 months old. Bert Randell, Keosauqua, Iowa.

FOR SALE—ANGUS BULLS, BEST OF BREEDing. Farmers prices. W. V. Childs, Manchester, Iowa.

POLLED SHORT-HORN BULLS $45. REDS and Roans. Albin Nelson, Eagle Grove, Iowa.

DAIRY CATTLE

START IN GUERNSEYS. 2 FAWN AND WHITE heifer calves, express charges prepaid, $37.50. 8 choice heifers, 4 months old, for $225. Also **young bulls. Lookout Farm, Lake Geneva,** Wisconsin.

10 GUERNSEY AND 10 HOLSTEIN HEIFERS— choice seven-weeks-old beautifully marked tuberculin and abortion tested, shipped on approval. Ed Howey, 1092 James, St. Paul, Minnesota.

FOR SALE—TEN REGISTERED JERSEY cows; Young, heavy milkers, production records, T. B. and Bang's tested. Bulls serviceable age. R. G. Kinsley, McGregor, Iowa.

CHOICE HOLSTEIN BULLS, BRED FOR TYPE and production. Priced reasonable. Shomont Farms, Monticello, Iowa.

FOR SALE — BROWN SWISS BULLS FROM proven sires and dams. Ed Doran, Bayard, Iowa.

DUAL PURPOSE CATTLE

MILKING SHORTHORNS, MELODY BREEDing. 21,722 lbs. milk, 863 butterfat. Naab Brothers, Cresco, Iowa.

REGISTERED RED POLLED BULLS, COWS, heifers. T. B., Bang's tested. Studer Brothers, Austin, Minnesota.

MILKING SHORTHORN HEIFER CALVES, week old, also yearling heifers. Wm. Zahs, Riverside, Iowa.

DAIRY GOATS

LEARN ABOUT GOATS! "GOATKEEPERS Primer" free with 3-year subscription $1. Sample free. Dairy Goat Journal, Dept. 864, [illegible], Nebraska.

HORSES

FOR SALE — PERCHERON STALLION, 13 years, weight 2,000 lbs., black. [illegible] beauty of head and ears, top clean [illegible] pinning; superb action, proven sire. [illegible] Egotist 171675 by Carnot 66666. E. [illegible], Ute, Iowa.

FOR SALE — BELGIAN STALLION REGIStered, coming 3, sorrel, sound, weight [illegible]. Fatueur and Mon Gros breeding. [illegible], Breda, Iowa.

FOR SALE: REGISTERED PERCHERON STALlion, age 7, dark dapple gray. [illegible], Ossian, Iowa.

REGISTERED FOUR YEAR OLD SHIRE STALlion. Priced to sell. R. A. Griffin, [illegible]

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SPOTTED POLAND FALL BOARS. [illegible] New Era and Sunrise, $25. [illegible] Nelson, Eagle Grove, Iowa.

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HEREFORD HOGS. BRED GILTS AND BOARS. Easy feeders, market toppers. [illegible] Sharon, Iowa.

MISCELLANEOUS

PRICE WRECKERS SAVE MONEY [illegible] yard. New and used Corrugated Metal, Lumber; Hot Bed Sash, Fencing, [illegible] Pipe. Ask your trucker about our [illegible] Stockyards Lumber Company, 600 [illegible] located in Union Stockyards, Chicago.

ASTHMA — A MISSIONARY FROM [illegible] completely relieved of asthma 15 years [illegible] gladly send helpful information to [illegible] Mrs. Roberts, Dept. E, 35E, [illegible] Toronto, Ontario.

HARNESS—COLLARS—STRAPWORK [illegible] from manufacturer to you. Write for [illegible] Nickel & Son, Wholesale Manufacturers, [illegible] South Dakota, [illegible]

DO YOU KNOW HOLLYWOOD'S [illegible] story? It's yours for 25c in [illegible] Worldwide, 3428 West Olympic [illegible] Angeles. Act Now.

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WANT TO BUY — ALL COLORS [illegible] Glassware all over Daisy Button [illegible] Must be in good condition. Please give description of pieces you have. Write to E. Richardson, [illegible] Wallaces' Farmer and Iowa Homestead.

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JOBBERS, DEALERS, TINNERS, SELL US cistern Filters. Saves cistern cleaning. Healthier health. U-S Filter Company, Bloomington, Illinois.

Mention this paper when writing to our advertisers

MISCELLANEOUS

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SURPLUS STOCK SALE OF BRAND NEW 1938 Ball Bearing Galloway Masterpiece cream separators famous for close skimming and easy running. All sizes and models. Guaranteed. 30 days trial. Sacrifice price for cash or easy terms. Will give extra big trade-in allowance for any old machine to move surplus stock quick. Write today, these will not last. C. E. Butler, Box 1208 C, Waterloo, Iowa.

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ALL MAKES REBUILT MILKING MACHINES and new rubbers. Guaranteed. Milker Exchange, Box 8, Mankato, Minnesota.

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ANNOUNCING OUR WONDERFUL NEW electric fence controller—The safest and guaranteed most effective sold regardless of price. Battery or 110-volt units only $18.50. Either unit capable of handling 20 to 30 miles of fence. 30 days free trial. Also new portable electric livestock Prod. $6.00. Write nearest office for complete information. Distributors wanted. International Electric Fence Company, Chicago, Illinois; New York; Portland, Oregon.

THERE IS NOTHING MYSTERIOUS OR COMplicated about safe electric fence controllers. Make your own for less than Six Dollars. We will sell you everything needed at wholesale prices. 110 Volt. Six Volt. Send One Dollar for complete directions, plans and parts list. Price list on parts only—send ten cents in stamps. Fence Headquarters—1344 S. Michigan Avenue, Chicago, Illinois.

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ELECTRIC FENCERS

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MISCELLANEOUS

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REAL RUSH SERVICE. ROLLS DEVELOPED 16 pictures 25c. 50 reprints 50c. Photographers, River Grove, Illinois.

GUARANTEED ROLL DEVELOPED, 16 prints 25c. 20 reprints 25c. Quality Photo, Hutchinson, Kansas.

ROLL DEVELOPED, TWO GLOSSY ENLARGEments (1 colored) 8 prints 25c. Arbor Service, 31, Joliet, Illinois.

20 REPRINTS, 25c. 100 REPRINTS, $1. ROLL developed with 16 prints, 25c. Newtone, 7, Maywood, Illinois.

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MISCELLANEOUS

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REPLACEMENT PARTS FOR DELCO. REpublic Electric Company, Davenport, Iowa.

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HOT TIP ON "ELECTRIC CANE"! SAFE, MODern method to drive stubborn stock. Use spare farm parts. Simple, easy plans $1. Riker Research, Sheldon, Illinois.

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$9.90. SALE ON GRAVE MARKERS, MONUments. Freight paid. Lettered. Free catalog. Art Memorials, Omaha, Nebraska.

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BIG PRICES PAID FOR CERTAIN WANTED coins. 1909 cent $10, some silver Dollars $4,000, 1864-1865 Indian Head cents $100 each, dimes before 1895-$600, liberty head nickels before 1914 $500, encased postage stamps, some large pennies $2,000, half cents-$275, paper money, gold dollars $1,500, foreign coins $165, some worth $6,000 each. You may have coins for which we pay big premiums. Therefore send 15c today for 1938 big illustrated coin book for certain wanted coins. National Coin Corporation, 75 Daytona Beach, Florida.

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GOLD $35 OUNCE. SHIP OLD GOLD TEETH, bridges, crowns, jewelry, watches—receive cash by return mail. Satisfaction guaranteed or shipment returned. Free information. Dr. Weisberg's Gold Refining Company, 1502-L Hennepin, Minneapolis, Minnesota.

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CASH FOR OLD RAGS, AND METALS. HIGHest prices. Write. Gem Trading Company, Council Bluffs, Iowa.

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RUHM'S PHOSPHATE — CHEAPEST, MOST permanent source of Phosphorus needed to restore or maintain fertility of your soil. Shows results first crop. And mixing it with manure doubles value of barnyard gold. Investigate. Write "Farmer" Rusk, Normal, Illinois, or Ruhm Phosphate & Chemical Company, Mt. Pleasant, Tennessee.

CONSERVE AND MAINTAIN SOIL FERTILITY with Midwest Quality Phosphate. Permanent returns come quickly. Most effective. Lowest in cost. Midwest Phosphate Company, Joliet, Illinois.

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SAVE HEAVY CHICK LOSSES BY USING OUR temperature alarm for brooder houses. $2.25 prepaid. Meyer Bros., Diller, Nebraska.

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QUILTING BY MACHINE $1.50 PER QUILT. Mrs. Harry Clark, Route 6, Des Moines, Iowa.

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"SO SQUARE" PERCALE BRAND NEW QUILT blocks! Cheaper than remnants! Free samples! Gift offer! Camco, 4359W North Winchester, Chicago.

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IOWA SILOS AND CORN CRIBS TESTED 25 years. Low cost and upkeep. Write for special prices. Iowa Concrete Crib & Silo Company, Des Moines.

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SONGWRITERS: SEND BEST POEM TODAY for exceptional offer. Richard Brothers, 65 Woods Building, Chicago.

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KENTUCKY'S FANCY—BUY THE BEST. 10 pounds extra fancy chewing or smoking, $1. Beautiful 50c double bladed pocket knife free. Satisfaction guaranteed. Ryan Farms, Murray, Kentucky.

PREPAID LONG, CLEAN, JUICY, RED LEAF. Mild and sweet chewing. 10 lbs. $1.30. Mild smoking 10 lbs. $1.20. Package twist free with each order. Collier Tobacco Pool, Martin, Tennessee.

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YOUR MONEY BACK IF RATS DON'T DIE

This rat-killer won't kill Livestock, Pets or Poultry—Gets Rats Every Time. K-R-O is made from *Red Squill*, a raticide recommended by U.S. Dept. Agr. (Bul. 1533). Ready-Mixed, 35¢ and $1.00; Powder, 75¢. All Druggists. Damage each rat does costs you $2.00 a year. K-R-O Company, Springfield, O.

K-R-O KILLS RATS ONLY

MISCELLANEOUS

TOBACCO

GUARANTEED, VERY BEST LONG, CLEAN, 28 inch, redleaf chewing or smoking, 15 lbs. $1.00. Sharon Tobacco Company, Sharon, Tennessee.

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SAVE HALF! GUARANTEED RECONDITIONED truck and auto parts. All parts, all models, makes. Catalog free. General Auto, 7008 R Cottage Grove, Chicago.

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WANTED. RELIABLE FARMER IN EACH township as dealer for Archer Lubricants, Batteries, Radios and Wind Chargers, Fisk and Gillette tractor tires and wheels. Have good proposition for right man. Write to Dept. F, Archer Petroleum Corp., Omaha, Nebraska.

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50,000 STOUFFER CHICKS EACH WEEK. U. S. Approved. Flocks blood tested. Our 19th season. Special prices for this issue. Immediate delivery. White, Brown, Buff Leghorns, Anconas, $7.45; Barred, Buff, White Rocks, Wyandottes, Reds, Orpingtons $7.95; Hampshire Reds, Giants, Minorcas $8.45. Heavies $6.40; Lights $5.50. We have pullets and cockerels of all varieties, reasonably priced. Prepaid. Guaranteed on dates promised. Stouffer's Hatchery, Lena, Illinois.

"AAA" QUALITY CHICKS, THOUSANDS weekly, immediate shipments. COD 100 per cent delivery FOB hatchery. 20 popular breeds. White, Buff, Brown Leghorns, Anconas, Heavy Assorted, unsexed $5.85; sexed pullets, $10.50. Rocks, Reds, Wyandottes, Orpingtons, Minorcas, $6.20. Pullets, $11.90. Surplus cockerels from sexed pullets $3. Mixed Assorted, $4.90. Order direct, use postcard. Squaredeal Chicks, Box 42, Springfield, Missouri.

TRAPNESTED WHITE LEGHORNS, WHITE Rocks, White Wyandottes and Rhode Island Reds, Buff Orpingtons and Barred Rocks. Catalog, contest and official records free. Prices very reasonable. St. Paul Hatchery, St. Paul, Minnesota.

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Additional Classified Advertisements on Next Page

PAW TUCKER—Just an April Shower

Our Readers Market

(Continued from preceding page)

BABY CHICKS

FAMOUS 10-DAY 3c CHICK SALE

New! Get Chicks Bloodtested for B. W. D. by Inspectors. Many 300 egg dams. 12 pure breeds—12 Hybrid Crosses to choose from. 12th year. We ship to every U. S. state. Prove customer satisfaction. Tens of thousands hatching daily. We must sell them. Insured Hybrid crosses. Leghorns. Your gain. Why pay more? Rush order now. Ross Salmon, Mgr., One of America's leading chick producers. Pure Breed Buff Langshan or American Type White Leghorns $5.90 White Barred or Buff Rocks, S. C. Reds, Buff Orpingtons or White Wyandottes, $6.75 per 100. Sexed pullet chicks, Leghorns $10.90 per 100. Heavy breed pullet chick only 2c chick more than mixed. Hybrid crosses, Leghorns, X Minorcas (for Big White Large), $5.90. Austra-Whites, Leghorns X Reds, Leghorns X Rocks, Reds X Rocks, Giant X Rocks, etc., $6.95 per 100. Sexed pullet chicks of Leghorn Crosses $12.90 per 100. Leghorns X Minorcas, Giants X Rocks, $10.90. Reds X Rocks, $7.90. Hybrid males, $5.00 to $7.90 per 100. Assorted Males (Our choice) $3. Half Males (All Breeds) $4.50. Heavy Assorted Males $5.50. Light Mixed $3.50. Laymore Matings only 1c per chick more. Super Matings (Many R. O. P. and 300 egg bloods) 3 more. Send Cash or we will ship C. O. D. plus postage. Up to 100 per cent Sex guarantee. 100 per cent live delivery. 14 day replacement at ½ price. Catalog or Sale Circular Free. Or rush order to nearest address for quicker delivery.

FAMOUS POULTRY FARMS

B2007, Shenandoah, Ia., or B2007, Bethany, Mo.

STROMBERG WINTER LAYERS. LOW APRIL prices now on 22 varieties. Stromberg chicks, poultry—hatching. All chicks bloodtested for BWD and Fowl Typhoid. Vaccinated against Roup and Colds. Prices: Utility Grade, pure breed, Assorted, $6.50 per 100. Single Comb White and Buff Leghorns, $7.10. S. C. and R. C. Brown Leghorns, Anconas, Reds, White and Barred Rocks, $7.90. Buff Rocks, White Wyandottes, Buff Orpingtons, White, Black and Buff Minorcas. New Hampshires, $8.90. Standard Grade, carefully culled and mated. Assorted, $7. S. C. White, Buff and Brown Leghorns, R. C. Brown Leghorns, Anconas, $8.50. Reds, White, Barred and Buff Rocks, White Wyandottes, Buff Orpingtons, White, Black and Buff Minorcas, New Hampshires, $9. Order from this advertisement—live delivery guaranteed. $1 per 100 deposit, balance C. O. D. or get complete price list, including Super Quality, Extra Special R. O. P. Matings. Stromberg Hatchery, Dept. 7C, Fort Dodge, Iowa.

MONEY-BACK GUARANTEE ON PETERS' SPECIAL AND KEY FLOCK CHICKS

Vigorous chicks liberally guaranteed against losses the first two weeks. Backed by many years of successful pedigreed egg production breeding. Our money back guarantee on egg production is very liberal and clear, with no catches. You are the judge. Get our Free catalog for full details. Supplied in Sex-linked Hybrids, White Leghorns, Barred or White Rock, White Wyandottes. New Hampshire Reds. Breedings are accurately sealed. Two classes—"Specials" and "Key Flock." Also "A. A. A." grade, 1st class chicks. Assorted not sexed, $6.85, females $10.35, males $4.05 per 100, prepaid. A. G. PETERS, MGR. BOX 836, NEWTON, IA. Peters Certified Poultry Breeders Assn.

GRACE'S GOLD BANNER CHICKS

245 TO 320 EGG BLOOD LINES

R. O. P. and Pedigree Sired Matings. Customers report amazing egg records with Grace's superior layers. Here under actual test averaging over 75 per cent production this winter. Finest quality at Low cost. Immediate shipments at following low prices: Barred White or Buff Rocks, Buff or White Orpingtons, White Wyandottes, Single Comb Giants, Buff Minorcas, $7.25 per 100. White, Brown or Buff Leghorns $6.95. Prepaid. Assorted Heavies, $5.95, Mixed, $5.40.

GRACE HATCHERY

BOX W, CHILLICOTHE, MISSOURI

THOMPSON'S HARDY NORTHERN EGG BRED chicks. Backed by R. O. P. Pedigree and Trapnest breeding. Many 225-292 egg blood. Order direct. No money down. Thompson ships C. O. D. Prepaid. 100 per cent arrival. 90 per cent Pullets guaranteed. Write for Free catalog. White, Buff Leghorns, $5.95; unsexed, $13.90 pullets. White, Barred Rocks, White Wyandottes, Single Comb Reds, Buff Orpingtons, $7.90 unsexed; $11.90 pullets. White Giants, New Hampshire, $9.40 unsexed, $14.90 pullets. Assorted $4.90. Heavy Assorted, $3.90. Leghorn cockerels, $2.90. Asst. Cockerels, $3.90. Tilmer Thompson Hatchery, R. 1, Elmore, Minnesota, or Forest City, Iowa.

GIANT TYPE WHITE, BUFF, BROWN LEGHORNS, Anconas, Utility mating 100 $6.75. Pullets $13.90. Males $2.95. Master mating 100 $8.95. Pullets $15.95. Males $4.95. Production Bred White, Barred, Buff Rocks, Black Giants, White Giants, Buff Orpingtons, Buff Rocks, Reds, New Hampshires, Black, Buff, White Minorcas. Hybrids. Utility mating 100 $7.95. Master mating 100 $9.95. Assorted breeds $5.95. All breeds and sexes: $4.95. Prepaid. No money down, pay postman on arrival. Backed by years of breeding. Order today. Special Health Kit with order. Campbell Farms, Strawberry Point, Iowa.

BABY CHICKS FROM KING'S BLOOD TESTED FLOCKS

Day old, sexed or straight run, 2 weeks started chicks our specialty. 21 years expert breeding. Leading breeds, wonderful layers. King baby chicks are bred for egg production and vigor. Write for our new low prices. King's Iowa Hatchery, Iowa City, Iowa.

FRANKLIN HATCHERY "MONEY MAKER" chicks! Superb quality this year—at low prices! From Mid-West's greatest flocks—exceptionally large size, old-fashioned vigor, heavy-laying. Blood tested. All breeds—three strains: A, AAA, Special. Save money—get big cash discounts for order now for immediate or definite later date. Shipments prepaid. Write today for new bargain price list. Franklin Hatchery, 763 Franklin Ave., Council Bluffs, Iowa.

SAVE UP TO 3c PER CHICK ON BUSH'S Famous Chicks. Pullets, cockerels, unsexed, all leading breeds. Big bargains, special low prices and discounts. Convenient terms. Write for new free 1938 Tabbed Catalog cut off the press, giving prices, surprise offers, customers' testimonials and pictures. It will pay you to get Bush's prices before buying chicks or Turkey Poults. Write today. Bush Hatchery, Box 2195, Clinton, Missouri.

WHITE GIANTS $8.90. ANCONAS $7.40. Culled and tested for BWD. Bred for high production. A. C. Fobes, Fayette, Iowa.

WALLACES' FARMER Iowa Homestead
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BABY CHICKS

30,000 SURPLUS MALE CHICKS, $3 HUNdred for assorted all breeds, $4.50 for "H & H" (Heavies or Hybrids). Order direct, at these low prices—postage extra. Pullets $7.90. Sexed Assorted, or Heavy Mixed, $5.50. 10 Pure breeds, 12 Hybrid Crosses. Big circular free. Famous Poultry Farm, B2208, Shenandoah, Iowa, or B2008, Bethany, Missouri.

SCHLICHTMAN SQUARE DEAL CHICKS. Missouri Approved, Bloodtested. Leghorns, Anconas, $6.90. Rocks, Reds, Orpingtons, Wyandottes, $7.50. Langshans Minorcas $8.40. Giants, Brahmas, $9.40. Heavy Assorted $6.15. Mixed assorted $5.50. Prepaid. Free catalog explaining 2-week replacement guarantee. Schlichtman Hatchery, Appleton City, Missouri.

STOUFFER'S LOW PRICES, CHICKS U. S. APproved, Pullorum tested, Large Egg Leghorns $7.40. Reds, Rocks, Wyandottes, $7.90. Eleven breeds. Assorted $4.95. Prepaid. Sexed pullets, cockerels. Hatching weekly. Write for complete low prices. Leghorn cockerels $1.50 100. Catalog. Sadie Stouffer Hatchery, Wadsdams Grove, Illinois.

INSURE BIGGER PROFITS 1938 WITH chicks from Eagle layers who set new World's Record at 1935 Missouri contest. Champions 6 different breeds. Liveability guarantee. Low prices. Discounts on advance orders. 12 breeds and sex guaranteed chicks. Free catalog. Eagle Poultry Farm Box 216, Sedalia, Missouri.

WALKER'S WORTH MORE CHICKS: NINE years tested by practical poultry farmers. Rocks, Reds, Buff Orpingtons, Buff Minorcas, White Wyandottes, $6.90. Large White, Brown, Buff Leghorns $6. Add 1c per chick for Imperial Grade. New Hampshires $7.90. All shipments prepaid. C. O. D. if you wish. Walker Hatchery, Creighton, Missouri.

BURNHAM'S STAR QUALITY CHICKS, FLOCKS bloodtested. AA quality Leghorns $6.70. Rocks, Reds, Orpingtons $6.95. Wyandottes, Buff Minorcas $7.15. Brown, Buff Leghorns $6.15. Low delivery prepaid. Free circular explaining 2 week guarantee, discounts for quick orders. Burnham Hatchery, Clinton, Missouri.

ROSCOE HILL'S CHICKS, HIGH LAYING CONtest hens averaged 259 eggs. White Rocks 216 eggs. Improvement stock from 200-311 egg ROP hens. Leading trapnest strains. Ten breeds. Hybrids. Sexed chicks. Reasonable prices. No Catalog. Hill Hatchery, Box B, Lincoln, Nebraska.

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BABY CHICKS. HIGH EGG STRAINS, U. S. Approved. Our thirteen years of selection is your gain. Bloodtested. Replacement guarantee. Turkey Poults. France's Cherokee Hatchery, Cherokee, Iowa.

SEX-LINKED BABY PULLETS, WORLD'S famous Austra-whites, 5 other Hybrids and 52 purebreeds. 40 years service. Beautiful catalog free. Mrs. Berry's Farm, Rt. C, Clarinda, Iowa.

WARNER'S QUALITY BABY CHICKS: WHITE, Buff, Barred Rocks; S. C. Reds, White, Silver, Golden Wyandottes, also started chicks. Warner's Hatchery, Bloomfield, Iowa.

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TWO TO THREE WEEK OLD STARTED chicks at slightly more than day old prices. Pullet chicks, cockerel chicks or as hatched. Preferred by many because they are past the danger period. All popular breeds. Send for catalog. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

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AAA DAY OLD SEXED PULLETS FROM breeders under R. O. P. trapnesting in Leghorns, Rocks, Wyandottes, and Reds. Prices reasonable. Catalog free. Elam Stringer, Box 68, Fort Wayne, Indiana.

POULTRY

NOTICE TO POULTRY PURCHASERS

UNLESS THERE IS A PREVIOUS AGREEMENT governing any transaction between buyer and seller, who might advertise in these columns, Wallaces' Farmer and Iowa Homestead expects advertisers and buyers to comply with the following agreement: Where mature poultry is purchased on mail representations, without inspection, the seller, upon receipt of the purchase price, will ship the poultry to the buyer, with the privilege of examination at arrival. If for any reason the shipment is not satisfactory, the buyer will see that the poultry is properly fed and watered and returned immediately to the shipper, the shipper standing carriage charges one way, the buyer paying them the other way. Upon receipt of the returned shipment in good order, the shipper will then refund the original purchase price. If poultry is shipped a considerable distance, the shipment should be fed, watered and given a one or two days' rest and then returned. This is in accordance to general custom in handling such transactions and is assumed to govern all deals between our advertisers and subscribers. If there is any variance to the above regulations, shippers should notify buyers of them before filling orders.

ANCONAS

MOTTLED ANCONAS. BABY CHICKS AND hatching eggs. Write for large illustrated catalog describing this profitable egg producing breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

LARGE TYPE EGG BRED SHEPPARD STRAIN Ancona chicks. Chicks, $7.90 per 100. C. O. D. postpaid. Hamilton Hatchery, Bancroft, Iowa.

MOTTLED BEAUTIES. HEAVY PRODUCERS of large eggs. Eggs. Chicks. Bartlett & Thorne, Clarion, Iowa.

SEABRIGHT BANTAMS

EGGS. EXHIBITION—GOLDEN SEABRIGHT Bantam. Pear Guinea. White Crested Black Polish. All eggs priced prepaid $1.50 for 15. Runtz, Rembeck, Iowa.

BRAHMAS

LIGHT BRAHMAS. WRITE FOR LARGE, ILlustrated catalog describing this old popular breed. Chicks, eggs, stock from best blood lines. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

COCKERELS

CAPPER'S SURPLUS COCKEREL SALE 30,000 weekly. C. O. D. prepaid. Nationally known. Light Assorted Cockerels only $1.95. Leghorn cockerels, $2.50. Order direct. Capper Hatchery, Elgin, Iowa.

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DARK CORNISH CHICKS, STOCK, EGGS. Write for large illustrated catalog describing this finest meat breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

WHEN ANSWERING THESE CLASSIFIED advertisements, mention that you saw it in Wallaces' Farmer and Iowa Homestead—"Our Readers Market."

POULTRY

SILVER SPANGLED HAMBURGS

SILVER SPANGLED HAMBURGS, MOST beautiful of all laying breeds. Chicks, stock, eggs reasonably priced. Send 5c postage for large catalog. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

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HYBRIDS. NEW SENSATION! HEALTHIER, easier to raise. Sold to crossbreed egg layers. Make wonderful broilers, fries roasters, capons. Grow faster. Mature sooner. Straight run or sexed lady pullets or males. Early order discounts now. Get Free book. Write Iowa Master Breeders, R. 1, Onawa, Iowa.

JERSEY WHITE GIANTS

OUR LARGE, ILLUSTRATED CATALOG DEscribes the new Jersey White Giants. Chicks, stock, eggs from select matings of both White and Black Giants. Write today enclosing 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

HYBRIDS

AUSTRA-WHITES, LEGHORN X MINORCA sexes and 11 other Hybrids. Hybrid Crossed chicks 10 per cent more than pure breed. Sex guaranteed 100 per cent. Sexed pullets $12.90 per 100. Mixed males $5.00 per 100. Pullets, $7.90 per 100 up. Write for Free Catalog. Eagle Hatchery Farms, B2009, Shenandoah, Iowa, or B2009, Bethany, Missouri.

LEGHORNS

BIG TYPE WHITE LEGHORNS CREATED from Tom Barron breeding stock. One of largest importations ever made to America. High egg production bloodtested, mates males related World International Laying Contest winners. Strictly selected stock. Chicks, lady pullets or males. Special early order discounts. Free book. Write Iowa Master Breeders, Inc., R. 1, Onawa, Iowa.

IOWA'S FINEST PRODUCTION BREEDING plant offers the best in large type Leghorns. Our success is due to four vital factors: pullet liability, high laying performance, large egg size and increased body weight. Write for 1938 Mating List. B. E. Craven, Iowa's Pioneer Trapnester, Kellogg, Iowa.

LARGEST AND BEST EQUIPPED POULTRY farm in North Iowa offers big size White Leghorns of proven laying ability. Chicks, stock, eggs. Bloodtested Leghorn farm. Fancy, Iowa.

WILLIAMSON'S SINGLE COMB WHITE LEGhorns are champions. Chicago, Waterloo, Fort Scott, Iowa State Fair. Dairy Cattle Congress, Minnesota State Fair. Free catalog. Also champion strain of 10 laying contests 1935, 1936. Chicks $10.00 100. H. E. Williamson, Dubuque, Iowa.

IMPORTER AND BREEDER OF ENGLISH Leghorns. Now is the time to be thinking about your winter egg production. Chicks, stock, eggs for sale. The original Tancred blood lines of world record egg producers. Free catalog. Mary Gunn, Indianola, Iowa.

100% Pure Tancred--Hanson--Barron

200 Egg Blood line Leghorn chicks in their purity. Low prices. Catalog free. Prompt shipments. Box W. LEGLAND FARMS, MT. VERNON, IOWA.

FARROW WHITE LEGHORNS ARE KNOWN for high egg production, health and quick growth. Sight sexed Leghorns and baby pullets. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

$7.95-100 LEGHORNS. $8.45 ANY HEAVY breed. 1-2-3 cent 100 per cent live delivery. Wonderful Leghorn Chicks, Bloodtested, Pullorum tested. Hatcheries, Bolivar, Iowa.

TRAINESTED WHITE LEGHORNS. LARGE type, vigorous, bloodtested. Catalog. Special trapnest breeding. Pullorum tested. St. Paul Hatchery, St. Paul, Minnesota.

HANSON'S WORLD'S GREAT PRODUCTION strain 100 per cent Leghorn chicks. Eggs. U. S. Approved. Pullorum tested. Bartlett & Thorne, Clarion, Iowa.

EXTRA BIG TYPE TOM BARRON WHITE Leghorn chicks. $6.90-100. Pullorum tested. Eggs, $7.40. Silverlaid Leghorn Farm, Farmington, Iowa.

PURE TOM BARRON LEGHORN CHICKS. $7.25-100. $28-200 eggs. $13.25-100. $10 egg. Delos Smith, Bellevue, Iowa.

GUARANTEED 300 EGG BRED LEGHORN chicks. AAA $6.90. A $5.90, prepaid. Ottner Farms, Clinton, Missouri.

BROWN LEGHORNS

LARGE TYPE B. W. D. TESTED FROM TRAPnest stock, mated for high production and large egg size. 100 per cent prepaid. Hamilton Leghorn Farm, Bancroft, Iowa.

BUFF LEGHORNS

IOWA'S FINEST, SIZE—TYPE—COLOR AND Production. Eggs, Chicks. Bartlett and Thorne, Clarion, Iowa.

RED LEGHORNS

RED LEGHORNS—A NEW LEGHORN, RED in color, brown egg, heavy layers. Sex linked. Hatches. Pedigreed sired chicks. Ad-lib feed. Write Judge Patterson, Box 110, Vulcan, Iowa.

MINORCAS

BUFF MINORCAS. LAY LIKE LEGHORNS. Weight like heavy matured breeds. Very extra large, white eggs. Big big market prices. Write for catalog. Describing Buff, White and Black Minorcas. Free book. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

MINORCA CHICKS. WHITE, BUFF, BLACK. Stock, eggs. 17 years. Big type. Bred. Mammoth egg production. Free Folder. Sting Valley Chick Hatchery, Spring Valley, Minnesota.

SPECIALISTS 34 YEARS: BIG TYPE LARGE egg Buff, White Minorcas. 300 chicks $24. Eggs $7. Pullets. Minnesota Farm, Fairmont, Minnesota.

FARROW MINORCAS LAY LOTS OF LARGE, white eggs. Healthy, quick. Chicks $7.47 100, eggs 10c. Farrow Chickeries, Dept. 41, Peoria, Illinois.

NEW HAMPSHIRES

NEW HAMPSHIRES, U. S. APPROVED PULlorum tested. Pure Christie strain excellent layers. We doubt test for our layers production to extend only to Seed pullets. Also Barred Rocks and large White Leghorns. Write for information and prices. Madrid Hatchery, Madrid, Iowa.

NEW HAMPSHIRE REDS ACCLAIMED EYEwinkers for liability, rapid growth, and large egg size. Lay well all year. Free Price zero days. Chicks, lady pullets or males. Free Book. Get early order discounts. Write Mrs. Edwin Holmes, R. 1, Onawa, Iowa.

NEW HAMPSHIRE REDS. FAST GROWING, early feathering, quick maturing. Lay large brown eggs abundantly even in coldest weather. Chicks and eggs in limited quantities. Write for catalog describing this sturdy breed. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

FOUNDATION STOCK DIRECT FROM NEW Hampshire. Quick growth, early maturity, great layers. Liability tested. U. S. Approved—Pullorum tested. Bartlett & Thorne, Clarion, Iowa.

POULTRY

NEW HAMPSHIRES

CHRISTIE STRAIN NEW HAMPSHIRE REDS. $8.75 per 100. $42.50 for 500 postpaid. Pullorum tested. Also other breeds. Scheckel's Hatchery, Springbrook, Iowa.

LARGE TYPE, FAST GROWING CHRISTIE strain New Hampshire chicks. Bloodtested. $7.90 per 100 postpaid. Guaranteed. Sunrise Poultry, Hamilton Hatchery, Bancroft, Iowa.

ORPINGTONS

FARROW BUFF ORPINGTONS. FINE FOR breeders and egg production. Low prices. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

BUFF ORPINGTON HATCHING EGGS FROM our high winning and producing flock. Write Leon Plantz, Grand Junction, Iowa.

RHODE ISLAND REDS

TRAINESTED RHODE ISLAND REDS. Egg yields up to 320 eggs. Catalog, contest and breeding details free. Prices very reasonable. Sunrise Hatchery, St. Paul, Minnesota.

FARROW REDS ARE KNOWN FOR BEAUTY, high egg production and liability. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

TOMPKINS REDS, BOTH COMBS. R. O. P. Sire. Eggs $4.50-100. $2.50-50. 1 Barth Van Duzer, Menlo, Iowa.

ROCKS

LIGHT BARRED AND WHITE ROCKS. Quality eggs 15 cents. Circular. Lone Oak Farm, Lone Tree, Iowa.

BARRED ROCKS

BARRED ROCK EGGS. HAVE TRAINESTED 17 years. Pullorum tested (the trapnest). Chicks to $11. Splendid type, beautiful barring. Large hens, large eggs. Mrs. E. L. Rating, Corning, Iowa.

FARROW BARRED ROCKS WILL PLEASE you. Large size. Extra good layers. Low prices. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

BUFF ROCKS

BUFF ROCK HATCHING EGGS FROM U. S. Approved flock. $4 per 100. Prepaid. Pullorum tested. Large, Eagle Grove, Iowa.

WHITE ROCKS

USE PROVEN WHITE ROCKS TO RESTOCK your flock. Official Egg Contest Winners. Champion hens 1935. Champion 50 birds 1935 and 1936. Champion Sterling pen 1937. Get free book. Describes stock prices. A. H. Ward, R. 13, Indianapolis, Indiana.

TRAINESTED WHITE ROCKS. RECORDS UP to 300 eggs. Large bodied birds. Catalog and official records free. Prices very reasonable. St. Paul Hatchery, St. Paul, Minnesota.

THE WHITE ROCK HATCHERY IS AGAIN offering these pure, husky quality White Rock chicks from production bred blood lines, at prices you can afford to pay. Write us. Carl Hoover, Kellogg, Iowa.

USE MILLS WHITE ROCKS TO IMPROVE your hatchery flocks. Eight generations of egg breeding. Chicks, eggs, five week old cockerels. Free list. Mills Hatchery, Panora, Iowa.

FARROW WHITE ROCKS. QUICK MATURING, healthy, real layers. Large stock. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

EGGS—EXHIBITION WHITE ROCKS. TRAPnested by certified pedigreed males. Pullorum tested. $1.100 prepaid. Runtz, Rembeck, Iowa.

MEYER'S WHITE ROCKS, HOLSTEIN, IOWA. Seven generations above 200 egg line. Circular. Prices reasonable.

SPECKLED SUSSEX

SPECKLED SUSSEX. WRITE FOR LARGE, illustrated catalog describing this popular breed. Chicks, stock and eggs reasonably priced. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

WYANDOTTES

SILVER WYANDOTTES. OUR SPECIALTY FOR 20 years. Chicks, eggs, breeding stock, from select matings. Write for illustrated catalog describing them fully. Send 5c for postage. Frank Foy Poultry Farm, Box 92, Clinton, Iowa.

FARROW WYANDOTTES ARE SECOND TO none. Real layers. Healthy, bloodtested. Low prices. Free catalog. Farrow Chickeries, Dept. 41, Peoria, Illinois.

HATCHING EGGS. SPECIAL COLUMBIAN Wyandottes. Culls and bloodtested. $4.50-100. John Hamann, Schleswig, Iowa.

DUCKS AND GEESE

MAMMOTH WHITE PEKIN DUCK EGGS. Guaranteed fertility 85 per cent. $6 per 100. Lindell Duck Farm, Riceville, Iowa.

EGGS. RUNTZ'S INTERNATIONAL WINNING strain chicks—Guineas, Bantam eggs. Runtz, Rembeck, Iowa.

DUCKLINGS

MAMMOTH PEKIN DUCKLINGS FROM 200 year old breeders. Write for prices. Gulfside Duck Hatchery, Galveston, Indiana.

TURKEYS

ORDER 1938 TURKEY POULTS NOW FROM Iowa Master Breeders. Famous for rapid growth. Growers report fewer losses, faster growth, bigger profits. Write today for price list. Iowa Master Breeders, Inc., Dept. 201, Onawa, Iowa.

SUNSHINE MAMMOTH BRONZE POULTS. Breeders all Blood Tested and fed 1 year. Legged, blocky type birds. L. W. Kunz, Sunshine Turkey Hatchery, Mapleton, Minnesota.

TURKEY EGGS—BOURBON REDS. INSPECTED and blood tested flock. No blackhead. $7.00-10. Safe delivery. Mrs. Howard McCaughey, Danville, Iowa.

MAMMOTH BRONZE POULTS FROM STATE Blood tested and banded turkeys. Raised on Farm and Hatchery, Mountain Lake, Minnesota.

SEEDS AND NURSERY STOCK

PLANT ASSORTMENT — 200 CERTIFIED frostproof cabbage, 200 onions, 200 tomatoes, 25 pepper, 25 Cauliflower, or eggplant, 25 Brussels Sprouts, all $1 postpaid. Mixed as wanted 200 50c; 650 $1, 1,000 $1.50 postpaid. Express Collect 5,000 $5. Large, tough, hand selected, leading varieties. Messed, packed in moss. Quick sellers. Prompt shipment. Satisfaction guaranteed. Jacksonville Plant Company, Jacksonville, Texas.

DODGE'S FAMOUS BRAND PLANTS — THE best plants grown in Texas. Bermuda, Yellow Bermuda, Prizetaker, Denia onion, Yellow Valencia onion plants prepaid, 500 $1, 1,000 $1.25. Large crate of 4,000 express collect. Large field grown selected tomato, pepper and eggplants ready now. Free catalogue. Dodge's Bermuda Plant Farms, Raymondville, Texas.

SEEDS AND NURSERY STOCK

CERTIFIED FIELD GROWN TOMATO PLANTS: Earliana, Marglobe, Bonny Best, Pritchard, Baltimore. Prices: Postpaid—200, $1; 500, $1.50; 1,000, $2.50. Collect—1,000, $1.75; 5,000, $7.50. Special prices on large lots. Also New York lettuce, cauliflower, Broccoli, eggplant, pepper, onion, and spring grown cabbage plants. Write for catalogue. Piedmont Plant Company, Greenville, South Carolina.

100 MASTODON OR GEM EVERBEARING 90c; 250-$1.90; 1,000-$6.50. Dorsett, Fairfax, Claremont or Dunlap 250-$1.40; 1,000-$4.50. 100—1 year Latham or Chief $1.30. 100 Black Berry $1. 25 Concord 65c. Free Bargain Catalog. Wolnik Nurseries, New Buffalo, Michigan (Box 12).

SWEET CLOVER, SCARIFIED, $5.25 BUSHEL; Red Clover $15 bushel; Nebraska Hardy Alfalfa $16.50 bushel; Sudan Grass $3.50 Cwt. Other seeds at low prices too. All triple recleaned and guaranteed satisfactory quality. Big bargain seed and nursery catalog and farm seed samples Free. Write Earl E. May, Box 513-8, Shenandoah, Iowa.

RED CLOVER $17.50, ALFALFA $12; SCARIFIED Sweet Clover $5.25, Timothy $1.75; Mixed Red Clover or Alsike and Timothy $4.50; Lespedeza $2; Atlas Sorgo $1.50; Sudan Grass $1.60. All per bushel. Samples, catalog and complete price list free upon request. Standard Seed Company, 39 East Fifth Street, Kansas City, Missouri.

PLANT COLLECTION—C. O. D. PAY POSTMAN—700 certified frostproof cabbage, onions, tomatoes, pepper, Brussels Sprouts, eggplants, Broccoli, Cauliflower, mixed as wanted $1; 1,000 $1.25; 5,000 $5. Large plants. Moss packed. Quick shipment. Satisfaction guaranteed. United Plant Company, Jacksonville, Texas.

FROSTPROOF CABBAGE AND ONION PLANTS—large, stalky, well rooted, hand selected. Cabbage: Wakefields, Dutch, Copenhagen, Golden Acre. 300 60c; 500 85c; 1,000 $1.50. Onions: Crystal Wax, Bermudas, Sweet Spanish. 500 50c; 1,000 85c; 3,000 $2.25. All postpaid. Culver Plant Farms, Mt. Pleasant, Texas.

STATE INSPECTED FIELD GROWN PLANTS, tough wellrooted, leading varieties. Tomato, pepper, eggplant. Frostproof cabbage. Collard. Cauliflower. Broccoli. Brusselsprouts. onion. 200-60c; 600-$1; 1,000-$1.50; 5,000-$6. Cash or COD. Prepaid and guaranteed. Express collect 75c-1,000. Heath Bros., Ponta, Texas.

STRAWBERRY PLANTS — CERTIFIED IOWA grown. Dunlap, Aroma, Blakemore, 200, $1; 500, $2; 1,000, $3.50. Gem Everbearing, 100, $1.25. Mammoth rhubarb, $1; 50 Eldorado Blackberry, $1; 50 Cumberland raspberry, $1. Everything postpaid. Rider Nursery, Farmington, Iowa.

SEND NO MONEY. PAY ON DELIVERY. CERTIFIED frostproof—cabbage, onion, tomato, pepper, eggplants, any variety. Mixed anyway wanted. 550, 75c; 700, $1; 1,000, $1.25. Transplanted—cabbage, tomato, pepper, eggplants, 100, $1; 500, $3. Fairview Plant Farm, Ponta, Texas.

TOMATO PLANTS NOW READY. LARGE, stocky, well rooted, field-grown from Certified seed. Roots wrapped in damp moss. Varieties: Marglobe, Bonnie Best, and Greater Baltimore. Express, $2 per 1,000; 10,000 and over, $1.50 per 1,000. Safe arrival guaranteed. P. D. Fulwood, Tifton, Georgia.

CERTIFIED FROSTPROOF—CABBAGE, ONION, tomato, pepper, eggplants, any variety. Mixed anyway wanted. 100, 50c; 550, $1; 1,000, $1.75. Transplanted—cabbage, tomato, pepper, eggplants, 100, $1. Everything prepaid. Ponta Plant Company, Ponta, Texas.

FROSTPROOF CABBAGE AND ONION plants: 500, 60c; 1,000, $1; 5,000 and over 75c per thousand. Free Catalog containing valuable planting and spraying information also special premium offers. All plants guaranteed. Write today. P. D. Fulwood, Tifton, Georgia.

SEND NO MONEY. PAY POSTMAN. CERTIFIED frostproof cabbage, onions, tomatoes, pepper, potatoes, eggplants. Any variety. Mixed as wanted. 550, 75c; 1,000-$1.25. Transplanted cabbage, tomatoes, pepper, egg plants. 100-$1. Dixie Plant Farm, Troup, Texas.

SEND NO MONEY, PAY ON ARRIVAL. CERTIFIED plants, frostproof cabbage, onions, tomatoes, pepper, eggplant, cauliflower, sweet potatoes, 200 50c, 700 $1, 1,000 $1.25, any variety, mixed anyway wanted, mosspacked. Texas Plant Farms, Jacksonville, Texas.

KANSAS CERTIFIED ATLAS SORGO. A SWEET stalked, white seeded, high yielding, forage. Resistant to lodging. Field inspected and laboratory tested seed. For a list of growers write, The Kansas Crop Improvement Association, Manhattan, Kansas.

EARLY FIELD-GROWN VEGETABLE PLANTS. Per 1,000: Cabbage, onion 75c; tomato, lettuce, beet, broccoli, $1.50; Cauliflower, pepper, eggplant, sweet potato, $2. Leading varieties. Catalog free. Piedmont Plant Company, Albany, Georgia.

FROSTPROOF CABBAGE PLANTS. WAKEfield, Copenhagen, Early Dutch, Golden Acre. Onions, Bermuda, Crystal Wax. 200 50c, 500 90c; 1,000 $1.40. Fine plants. Postpaid. Immediate Shipment. Rural Farms, Hawesville, Kentucky.

COD PLANTS, PAY ON ARRIVAL. FROSTproof cabbage, onions, tomatoes, pepper, eggplant, potatoes, 200 50c; 550 75c; 1,000 $1.25, any variety, mixed anyway wanted, mosspacked. East Texas Plant Company, Ponta, Texas.

FREE CATALOG—FROSTPROOF, CERTIFIED, Field Grown cabbage and onion plants. Also tomato, pepper, sweet potato, eggplant, cauliflower and other plants. Special offers. Write today. Union Plant Company, Texarkana, Arkansas.

HARDY RECLEANED ALFALFA SEED, $13; Grimm Alfalfa, $14.40; White Sweet Clover, $5.40; Red Clover, $16.80. All 60 lb. bushel, track Concordia. Return seed if not satisfied. Geo. Bowman, Concordia, Kansas.

100 DUNLAP STRAWBERRY PLANTS 75c postpaid; $3 1,000 express. 100 Mastodon Everbearing, 12 grapes, 50 raspberries, 100 asparagus, 12 rhubarb or 36 Iris $1. Kiger's Nursery, Danville, Iowa.

STRAWBERRIES $2.50-1,000 UP; RASPBERries, Blackberries, Dewberries, Blueberries, Grapes, Asparagus, Rhubarb, trees, shrubs, bulbs, seeds. Bargain catalog. Cloverleaf Nurseries, Three Oaks, Michigan.

STOP WINTERKILLING. PLANT COSSACK, the hardiest known alfalfa. Northern grown. Guaranteed clean. High germinating seed 45c per pound. Olson Farms, Grove City, Minnesota.

NORTHEAST NEBRASKA GROWN ALFALFA $12.50. Sweet Clover $4.80. Timothy $1.75 per bushel. Write for complete price list and samples. Carberry Seed Company, Norfolk, Nebraska.

C. O. D. FROSTPROOF CABBAGE AND ONION plants. All varieties. 500, 50c; 1,000, 90c; 5,000 $3.75. Good plants, prompt shipment. Georgia Plant Company, Albany, Georgia.

SEND NO MONEY. CABBAGE AND ONION plants. All varieties now ready. 500 60c; 1,000, 90c; 2,000, $1.75. Standard Plant Company, Tifton, Georgia.

C. O. D. CABBAGE AND ONION PLANTS, NOW ready. All leading varieties. 500, 50c; 1,000, 90c; 2,000 $1.60. Farmers Plant Company, Tifton, Georgia.

ALFALFA SEED 26c LB. UP. SWEET CLOVER 5c lb. up. Free samples. Satisfaction or money back. Grimm Alfalfa Association, Fargo, North Dakota. 500 cooperating growers.

200 MASTODON EVERBEARING $1.50. 250 Dunlap or Blakemore $1. 100 Raspberries, Latham or Cumberland, $1.50. Lone Beach Nursery, New Buffalo, Michigan.

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SEEDS AND NURSERY STOCK

WRITE FOR PRICES ON SCHROER'S BETTER Plants. Ready for shipping. Frostproof spring grown cabbage leading varieties, also wilt resisting. Red cabbage, Broccoli, Cauliflower, Collard and Onion, Bermuda, Sweet Spanish and Prizetaker. Tomato certified stock, Gulf State Market, Pritchard, Marglobe, Bonny Best, John Baer, Brimmer, Ponderosa, Clark's Early and Greater Baltimore. Pepper and eggplant. Good plants guaranteed. Schroer Plant Farms, Valdosta, Georgia.

CABBAGE, ONION PLANTS 70c THOUSAND. Tomato, Sweet Potato plants $1.25. Pepper plants $2. W. J. Davis Plant Company, Valdosta, Georgia.

ALFALFA—4,000 LBS. GRIMM AND DAKOTA 12. South Dakota grown. Koehn's Seeds, Parkston, South Dakota.

HARDY EVERGREENS, WINDBREAK TREES, wholesale prices. Good lakeshore farm for sale. Ayres, Aitkin, Minnesota.

FLOWERS

ROSES—HEAVY FIELD GROWN, RED, PINK, Shell Radiance, Talisman, President Hoover, Kirsten Poulsen, Etoile Hollande, Luxembourg, Caledonia, Briarcliff. All 19c each, postpaid. Ship C. O. D. Catalog free. Naughton Farms, Waxahachie, Texas.

DAHLIA SPECIAL: 15 MIXED EXHIBITION $1; 12 Giants labeled $1; 100 Gladiolus $1; 20 Delphiniums $1. Clarksburg Dahlia Gardens, Clarksburg, Indiana.

DAHLIAS — 12 EXHIBITION LABELED $1. Pompon Dahlias, Gladiolus. Catalog. Mrs. Curtis Ray, Greenburg, Indiana.

GERANIUMS; 20 ROOTED CUTTINGS, MIXED varieties, $1 postpaid. Sunnyslope Greenhouses, R5E, Centralia, Illinois.

POPCORN

POPCORN SEED. JAP HULLESS. YELLOW Pearl, South American varieties. Iowa Popcorn Company, Odebolt, Iowa.

POPCORN WANTED

POPCORN WANTED. GROW POPCORN THAT we will buy when ready to pop. Popcorn is not included in your corn acreage when grown for popping purposes. Write for particulars. Popcorn Growers & Distributors, Inc., Wall Lake, Iowa.

SEED CORN

PLANT CANADIAN GROWN FIELD CORN First for vitality, maturity and yield. Outstanding record of performance equaling the best hybrids for half the price. Winner over 61 awards out of 75 at Chicago since 1934. Yields of 100 bushels or better shelled corn. Germination guaranteed 95 per cent in sealed bags. Further information write. Kent and Essex Seed Growers, P. O. Box 103, Chatham, Ontario.

SEED CORN. FUNK'S (CERTIFIED) HYbrids, Joslin's 100 Day Yellow Dent, 90 Day Yellow Dent, Silver King (white), Improved Reid's, Krug's, first quality seed tests 96 per cent or better. Grimm alfalfa seed, Sudan, Millet, other farm seeds. Price list free. Satisfaction guaranteed. Allen Joslin Seed Farm, Holstein, Iowa.

FUNK HYBRIDS. 30 to 60 EXTRA DOLlars for every bushel of Funk Hybrid you plant. In addition you get quality corn, standability, heat and drouth resistance. Write today for free circular. Send $1 for enough adapted Funk Hybrid to plant about one acre, $2 size for 2 acres. Postpaid. McCulloch Seed Farm, Belle Plaine, Iowa.

RUPP'S EARLY YELLOW AND TRIPLE DENT first prize winners in Iowa corn yield test. Write for circular and prices. Fred N. Rupp, Cherokee, Iowa.

"GENUINE PFISTER HYBRIDS" FOR IOWA. Write for delivered prices. Representatives wanted. Schrock Hybrid Corn Company, Oakville, Iowa.

KRUG SEED CORN. GERMINATION 98 PER cent. Yields 100 bushels. Edw. Shippert, Franklin Grove, Illinois.

SOYBEANS

MUKDEN AND MANCHU SOYBEAN SEED. Recleaned, grade, 95 per cent germination, bags free. $1.25 per bushel in any amount. Inoculation, 5 bushel size $1, postpaid. Mukdens are ideal for northern Iowa and southern Minnesota. Also Certified Parent Stock for Iowa Hybrids Nos. 939 and 942. A time tried 110-115 day corn. Grow your own hybrid seed for less than $1 per bushel. Write for prices and free instructions for production. Wayne A. Robinson, Marshalltown, Iowa.

MUKDEN SEED SOYBEANS — EXCELLENT strain—high germination—developed for Iowa regional conditions. $1.25 bushel sacked FOB. Waterloo, Iowa. Soybean Processing Company.

HIGH QUALITY ILLINI. RECLEANED, GERmination above 97. $1.20 per bushel. Orders above 20 bushels $1.15. Jay Canby, Mt. Union, Iowa.

CHOICE ILLINI SOY BEANS. BEST ALL PURpose bean, combine cut before frost. High germination, recleaned. Fricke Bros., Mt. Union, Iowa.

STRAWBERRY PLANTS

RAYNER'S STRAWBERRY PLANTS—FAMOUS for highest quality, lowest cost. Strong, vigorous, dependable. True to name, safe delivery and 100 per cent satisfaction guaranteed. For best success set Rayner's high quality fresh dug plants. Blakemore, Aroma, Sen-Dunlap, Gibson, Ridgley, 100, 65c; 1,000, $3.75; 5,000, $16.25. Aberdeen, Gandy, Pearl, 100, 70c; 1,000, $4; 5,000, $17.50. Clermong, Premier, Howard 17, Lupton, Joyce, Wm. Belt, Culver, Beauty, Bellmar, Southland, Fruitland 100, 70c; 1,000, $4.25; 5,000, $18.75. Dorsett, Big Joe, Redheart, Camden, 100, 70c; 1,000, $4.50; 5,000, $2. Fairfax, Catskill, Chesapeake 100, 75c; 1,000, $4.75; 5,000, $21.25. Mastodon, Gem, Everbearing, 100, $1; 1,000, $6.75; 5,000, $31.25. 500 plants at the 1,000 rate. Big valuable illustrated Berry Book Free. Send today. Rayner Brothers, Box 25, Salisbury, Maryland.

STRAWBERRIES. MILLIONS MAMMOTH ROOTed plants grown on Hillsdale's famous alfalfa lands. Dunlap, Beaver, Blakemore, 250-$1.20; 500-$1.90. Fairfax, Premier, Catskill, Dorsett, 250-$1.40; 500-$2.40. Mastodon, Gem, 100-$1; 250-$2; 500-$3.50. Catalog. Wm. Abbott Company, Montgomery, Michigan.

STRAWBERRY PLANTS — PREMIER, DORsett, Fairfax, Catskill, $3.50; Blakemore, Dunlap, $2.75; Aroma, Gibson, Big Joe, Bellmar $3; Chesapeake, $4; Gem, Mastodon $5 per 1,000. Satisfaction guaranteed. Special quantity prices. Fairview Fruit Farm, Pierceton, Indiana.

STRAWBERRY PLANTS. FRESH DUG. STATE certified. Prepaid. Dunlap, Premier, Blakemore 100-70c; 200-$1.20. Dorsett, Fairfax, Catskill 100-80c; 200-$1.40. Gem, Mastodon, Everbearing 100-90c; 200-$1.60. Cedar Creek Fruit Farm, Fulton, Illinois.

MASTODON, PROGRESSIVE, GEM, MONTANA, Everbearers 200-$1.70. 100 Premier and 100 Dorsett $1.10. Prices postpaid. Well packed. Hand trimmed. Gumser Willow Farms, Holland, Michigan.

BLAKEMORE, AROMA, KLONDYKE, MISsionary strawberries; $2.50 thousand. Dorsetts, Fairfax, Catskill, Bellmar; $3.00. Shelby Plant Farms, Memphis, Tennessee.

LOTS 100, 1,000 MASTODON 70c, $6.50; DORset, Fairfax, Catskill, 50c, $4.65. Dunlap, Asparagus 40c, $3.65. Catalog. Bond Nursery, New Buffalo, Michigan.

DUNLAP STRAWBERRIES 100-60c; 200-$1; 450-$2; 1,000-$4. Postpaid. Walter Eckley, Tekamah, Nebraska.

Livestock News

A good crowd turned out to attend the Ira Braucht Polled Shorthorn dispersion at Indianola, Iowa, March 28. The entire offering was a most practical one, but presented in just farm condition, and sold without any guarantee, and included heifers and cows as old as 15 years, and went at a general average of $101.60. The top was Ury's Best and choice bull calf, selling at $145 to Moise Cerf, Ennis, Texas, one of the heaviest buyers of the sale. N. J. Busch, Peoria, Ill., made some good selections. We follow with a list of sales at $100 and over: Lot 1, S. B. Hudson & Son, Knoxville, $105; 2, Douglas Bros., Carlisle, $130; 3, F. A. Jacobson, Harcourt, $140; 4, Moise Cerf, $130; 5, 6, N. J. Busch, $120, $135; 7, 8, 9, 11, 12, 13, Moise Cerf, $127.50, $120, $100, $120, $100, $145; 11, John Moellenbeck, Walcott, $120; 16, N. J. Busch, $110; 19, Ray Anderson, Indianola, $102.50; 22, Charles Walker, Indianola, $130; 23, N. J. Busch, $120; 24, F. S. Purviance, Adel, $130; 25, Douglas Bros., $107.50; 28, Glen Mosier, Milo, $100; 29, Ray Anderson, $102.50; 33, Moise Cerf, $115; 40, C. B. James, Carlisle, $102.50; extra bull, Lot 47, W. W. Rice, Indianola, $115.

Those of our readers who are in the market for Shorthorn cattle, either bulls or females, should get in touch with Dewar Bros., Cherokee, Iowa. They are offering these at private sale, and for the critical buyer who wants something extra choice in bloodlines and individuality, he certainly can get it out of this herd. They have 10 head of bulls, reds, roans and whites, from a year to two years old, sired by Baronet Jr. and Cups Monarch. The 10 head of heifers are reds and dark roans from 14 to 18 months old. These cattle belong to such families as the Mystic, Secret, Duchess of Gloster, Gardenia, Victoria and Princess. They are all of good type and in good condition. The prices that they are asking should find a ready market, so if you are interested we suggest that you either go and see them or write at once for full particulars. Kindly mention this paper when writing them.

The seventh annual sale of Hereford cattle held by the Southwest Iowa Hereford Breeders, at Atlantic, Iowa, March 28, brought out a good size crowd of breeders and farmers, and resulted in an average of $86.75 on 40 bulls and $86 on 8 females. The top 10 bulls averaged $121.25. While the average was not high, this was due to the fact that most of the bulls were around a year old and several under a year. Bulls of serviceable ages were in demand, and had there been more of them, the average would have been much higher. The top bull and female both came from the consignment of Geo. A. Johnston, Creston. Myron Wiles, Plattsmouth, Neb., selected Lot 4, a fine young bull just a year old, sired by Imperial Domino, at $165, while Richard Hinkeldey, Alta, made one of the best buys of the auction in Lot 9, Belle Blanchard 27th, a choice yearling heifer by Imperial Domino and bred to Iowa Domino 16th, at $120. Wm. Hagadorn, Manning, and Wm. Lesle, Auburn, were the heaviest buyers in the sale, each selecting several head. Col. M. H. Cruise sold the offering and worked hard to get the high dollar for every animal. Much credit is due him for his untiring efforts to make the sale a success.

SEEDS AND NURSERY STOCK

SWEET POTATO PLANTS

SWEET POTATO PLANTS; THAT FAMOUS Soonerland brand. Jersey, Red Bermuda, Nancy Hall and Porto Rican. Soonerland plants are open field grown. We certify each shipment to contain only plants grown from government inspected seed; carefully selected for true variety and lack of diseases. Prices prepaid 300-$1; 500-$1.25; 1,000-$1.95; 5,000-$8.25. Express collect 10,000 lots $1.25 per 1,000. Guaranteed to arrive in live growing condition. Good plants will pay. Thomas Sweet Potato Plant, Dept. 88, Thomas, Oklahoma.

PREPAID. GENUINE NANCY HALL AND Porto Rico sweet potato plants from treated seed. Strong and healthy. Satisfaction guaranteed. Nancy Halls—500-$1.05, 1,000-$1.70. Porto Ricos—500-$1.20, 1,000-$1.95. Larger orders less. Thacker Plant Farm, Dresden, Tennessee.

SWEET POTATO PLANTS FROM TREATED seed. Guaranteed. Big, strong, well rooted. Prompt shipments and safe arrivals. Nancy Halls—500-70c; 1,000-$1.35; 2,000-$2.50. Porto Ricos—1,000-$1.45. Gordon Plant Company, Dresden, Tennessee.

FREE! MINERAL MIXTURE FORMULAS

Farmers, Dairymen, Stockmen . . . Learn Easy Way to Get Bigger Gains, More Milk, Better Finish, Higher Prices! Send today for your FREE scientific feeding chart! Valuable, low-cost formulas tested by State Colleges, Government Stations, big livestock men! New 1938 edition shows how you, too, can get bigger profit results, right from the start! Nothing to buy! Just mail coupon today for your FREE copy!

CAREY SALT COMPANY

MAIL COUPON TODAY!

THE CAREY SALT COMPANY, Dept. WF-4 Hutchinson, Kansas, or Winnfield, Louisiana
I'll take a FREE copy of your big money-saving chart, "How To Feed Salt For Extra Farm Profit!"
Name ______
Street or RFD ______
City ______ State ______
My Salt Dealer's Name is ______
At ______

1st To Pay HAIL LOSSES at HARVEST TIME

Members of the "Agricultural Mutual" never had to wait until December or January for an Oat Loss Check! During 1935, 1936 and 1937 they received Oat Loss Checks on AUGUST 1st, and Corn Loss Checks on or before NOVEMBER 1st.

300% INCREASE

In Hail Insurance In Force During The Last 3 Years

The steady, consistent growth of AGRICULTURAL MUTUAL INSURANCE ASSOCIATION reflects the confidence of thousands of Iowa Farmers in Sound, Careful Management—the principles of Fair Dealing—and our policy of being FIRST TO PAY ALL HAIL LOSSES at HARVEST TIME.

These 1937 Figures Tell the Story

60% INCREASE In Insurance in Force
80% INCREASE In Surplus to Members
65% INCREASE In Gross Assets
80% INCREASE In Admitted Assets
(Approximate percentages)

Insure in the Modern Mutual—the only Association which offers an Easy Payment Plan—provides for a Guaranteed Discount and all hail losses payable at Harvest Time.

For further information on Hail Insurance write
KARL WAGNER, Secretary

The AGRICULTURAL MUTUAL INSURANCE ASSOCIATION
CAPITAL CITY BANK BLDG. DES MOINES, IA
"After the Storm Comes the Rainbow"

The Tank Truck

News from your Conoco Agent about Farm Fuels and Lubricants

These Oil Savings Add Up To IMPORTANT MONEY

In the accounts kept by many farmers, large and small, you can read one of the most impressive success stories ever told of a motor oil.

In these accounts books you could see the cold, hard figures that tell how this motor oil gives 33% to 50% more hours per fill in a tractor. Oftentimes this oil—properly guarded from dust—gives as much as 100 hours per fill. Always, it provides matchless protection against engine wear, needless repair bills and fuel waste.

This great lubricant is patented Conoco Germ Processed oil—the only oil that can give an engine OIL-PLATING. And hundreds of letters like the ones you see here, will give you good proof that OIL-PLATING with Germ Processed oil is the greatest money-saver you could ever put in your engine. But judge for yourself . . .

"Good After 100 Hours"

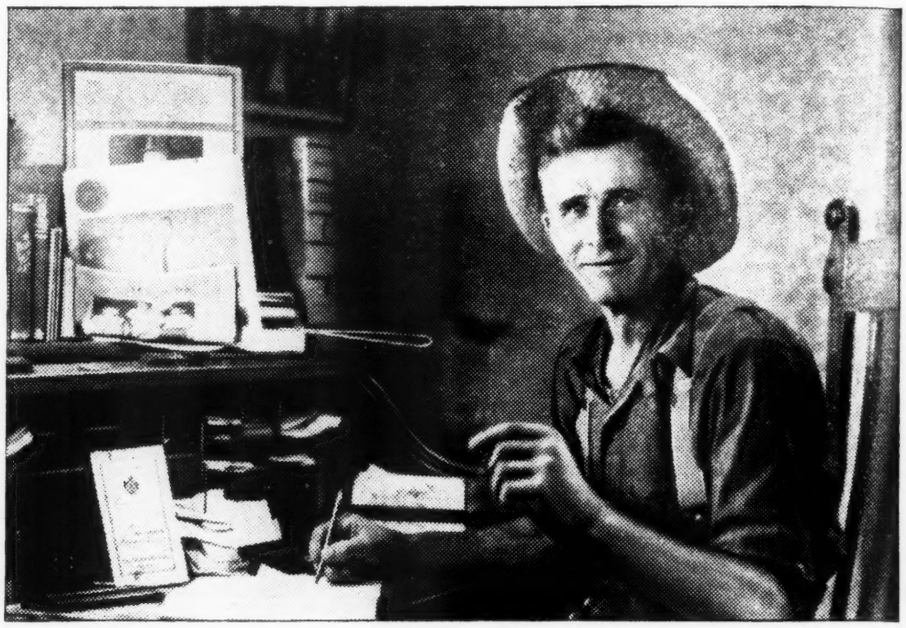
L. O. Thompson

"Conoco Germ Processed oil has proved to be both a time and money saver in my 1936 model International Farmall Tractor, which I use to cultivate 220 acres of farm land," says a letter from L. O. Thompson of Grover, Colorado.

"I operate my tractor for 100 hours between drains, and find that when the crankcase is drained, the oil shows but little wear. I have also used Germ Processed oil continuously in my 1930 Chevrolet car. Although the speedometer now reads 85,000 miles, this car still has its original pistons and rings, and a sweet-sounding motor hum that informs me that Germ Processed oil works better than magic."

"Cut Costs 25%"

Otto and Harry Baltz of Fremont, Nebraska have written in that "Since changing to Germ Processed oil three years ago, our equipment operating costs have run 25% less than before. We farm 400 acres, and our equipment includes John Deere and Allis-Chalmers tractors, a Chevrolet truck, a Studebaker and a Plymouth."



"100% On The Highway"

Says Charles Stout, secretary of the Glenns Ferry Highway District in Idaho: "The Glenns Ferry Highway District operates three trucks and a Caterpillar 30 tractor and has used Conoco Germ Processed oil since 1929. During this time we have not had a bearing failure in any of our units and have given this oil the hardest tests during the hot summer months and sub-zero temperatures in the winter. Under all conditions, Germ Processed oil has always given us 100% satisfaction."

Why This Is So

The reason why Germ Processed oil lasts longer and protects engines so much better is because it is the *only* oil that is Germ Processed.

This exclusive, patented Conoco process gives Germ Processed oil the ability to OIL-PLATE engines. OIL-PLATING, which is entirely in addition to the regular oil film, "knits" to every working part. And, therefore, it *stays* on. It does not drain down when the engine is idle, the way the usual oil films do.

Anyone who knows beans about engines knows that engines used to get the most wear when starting—before ordinary oils had time to coat the working parts. But Germ Processed oil ends this wear, because its tough OIL-PLATING is *always* on the job.

SEE THE TANK TRUCK'S NEXT ISSUE for important advice on Diesel engines

Try Germ Processed oil in your tractor, truck and car for thirty days, and you'll never use any other. Just get in touch with your Conoco Agent. He can supply Germ Processed oil in barrels, handy 5-gallon buckets, and 5-quart and 1-quart cans. Also Conoco Bronz-z-z Gasoline, Conoco Tractor Fuels, and Conoco Greases.

He Tempted Fate And Got Away With It!

Elsewhere on this page is an explanation of how and why Germ Processed oil's exclusive OIL-PLATING protects your engine so much more efficiently than other oils do.

And here, in a letter from Alvin Greene of Rupert, Idaho, is dramatic proof of OIL-PLATING. Naturally, you wouldn't want to do this yourself on purpose but it does show you the way every surface in the engine gets duraldy OIL-PLATED . . .

Friend Greene reports, "One evening, having run my tractor (McCormack-Deering 10-20) the number of hours that indicated an oil change, I then cut the old fill of Germ Processed oil, and refilled with new.

"The next day I went to field as usual and plowed all day. That evening, upon checking over the tractor, I found that I had failed the night before to shut the oil-pan petcock. Further examination showed there wasn't a drop of oil in the crankcase. In other words, I had worked the tractor all day *on an empty crankcase . . . with no evidence of ill effects.*

"Upon refilling the crankcase with Germ Processed oil, it was ready for service and has run smoothly for several hundred hours since." But when it ran without oil it must have been running on OIL-PLATING!

THAT'S AN IDEA

Do you know some handier way of doing things around a farm? Write your ideas to The Tank Truck, care of this paper. We will pay $1 for each idea we publish.

To protect ears of seed corn from mice and other grain thieves—also from moisture and freezing—I bury the ears in dry oats. This works very successfully. Oscar Dietz, Galatia, Kansas.

—•—

I saw the following idea in use at one of your Conoco stations, and I think every farmer will be glad to know about it: If you keep forgetting to put tools back where they belong, paint a wide black strip on the wall of the toolshed. Against this in white, paint life-sized outlines of each tool, and fasten toolholders against these outlines. Then, when a tool is out of place, the outline will flag your attention, and remind you to put it back in place. G. G., Michigan.

ALWAYS AT YOUR SERVICE

Your Conoco Agent

CONOCO MOTOR FUELS
CONOCO MOTOR OILS
CONOCO GREASES

CONOCO